e Itliming Immal,

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1778.—Vol. XXXIX.

LONDON, SATURDAY, SEPTEMBER 18, 1869.

(SUPPLEMENT) {STAMPED ... SINPENCE, UNSTAMPED .. FIVEPENCE

MR. JAMES CROFTS, STOCK AND SHAREBROKER,
No. 1, FINCH LANE, CORNHILL.
(Established 1842.)

Mr. CROFTS transacts business in the way of Purchaser or Sale of every description of stocks, but particularly British Mines, at net prices. All orders meet with the utmost punctuality, and advice given as to the nature and eligibility of INVESTMENTS when required.
HOLDERS of mining shares difficult of sale in the open market may find purchasers for the same through Mr. CROFTS' agency. Also parties requiring advice how to act in the disposal or abandonument of doubtful mining stocks may food to or difficulty, legal or otherwise.

GREAT ROYALTON.—These shares should be bought for a great rise in the course of the next three months.

| M. H. B U M P U S, STOCK AND SHAREDEALER, 44, THREADNEEDLE STREET, LONDON, E.C., has FOR SALE the following SHARES, free of commission:—
20 Bronfloyd, £4.
70 Chontales, 17s.
20 Don Pedro, £4½.
20 Date Walls, £1.
1 Devon Consols, £160.
25 East Grenville, £318s
10 East Caradon, £5.
20 East Seton, £3.
5 East Lovell, £21¼.
15 Frank Mills, £3 168 361
100 Frontino, 25s.
35 Gen. Brazillan, 17s 94
10 Great Laxey, £19½.
56 Gt. No. Laxey, 19s.
50 North Crofty, £2½.
55 Prividence, £40¼.
56 Providence, £40¼.
57 Providence, £40¼.
58 Prividence, £40¼.
59 Princes Walls, £19.
50 Providence, £40¼.
50 Prov

M B. WILLIAM WAR BD, MR. THOMAS SPARGO, STOCK AND SHAREDEALER, 224 AND 225, GRESHAM HOUSE, OLD BROAD STREET, LONDON, E.C.

JOHN RISLEY, (SWORN) STOCK AND SHAREBROKER, 48, THREADNEEDLE STREET, LONDON, E.C. Bankers: London and Westminster, Lothbury. MR. Y. CHRISTIAN, STOCK AND SHAREDEALER,
11, ROYAL EXCHANGE, E.C,
Bankers: Bank of England.

M R. T. A. MUNDY, STOCK AND SHAREDEALER, 38, BISHOPSGATE STREET WITHIN, E.C. Bankers: City Bank.

MR. WILLIAM SEWARD, STOCK AND MINING SHARE BROKER, 19, THROGMORTON STREET, LONDON, E.C. Every description of shares BOUGHT and SOLD at the best market prices.

Established Twelve Years-Twenty-four Years' Experience M. F. W. MANSELL, STOCK AND SHAREDEALER, 1, PINNER'S COURT, OLD BROAD STREET, LONDON, E.C. Bankers: London Joint-Stock Bank.

GUERERRO GOLD MINING COMPANY (LIMITED),-

MR. J. B. BEYNOLDS, ETHELBURGA HOUSE, 70 and 71, BISHOPSGATE STREET WITHIN, is now PREPARED to DEAL in the SHARES of this COMPANY. Seliers are requested, at their earliest convenience, to state their lowest price, and Buyers to communicate at once with the advertiser. In consequence of the long experience Mr. REYNOLDS has had in the business of Cornish and Weish mines, and in assisting investors in connection with such, he can confidently advise. He takes this opportunity of informing the public that he is often in a position to negectate shares not in the market.

Mr. REYNOLDS refers to his remarks on p. 687.

M. R. C. A. POWELL, BRITISH AND FOREIGN STOCK AND SHAREDEALER, No. 1, PINNER'S COURT, OLD BROAD STREET, LONDON, E.C.

BUYER or SELLER of shares in all market mines at current prices. WANTED, an offer of 500 Caldbeck Fells.

SPECIAL BUSINESS in Frontino, Prince of Wales, Chontales, Great Vor, and North Treskerby.

HAMMETT.—Every information respecting this property furnished on application.

17th Sept., 1869. Bankers : City Bank, Finch-lane.

MR. J. H. COCK, STOCK AND MINING SHAREDEALER, 74, OLD BROAD STREET, LONDON, E.C.
Fifteen years' experience in Cornwall and London.
Business transacted in all the leading mines, and those difficult of purchase

or sale negociated.

SPECIAL BUSINESS in Van Consols, Fron Fawnog, New Lovell, South Condurrow, and Ding Dong, and Perran Vyvyan—this mine is now being brough out by an influential party and is worthy consideration.

M. R. T. ROSEWARNE, 81, OLD BROAD STREET,
LONDON, E.C.
T. R. has BUSINESS in the following shares, at close market prices, for cash
or time on :—

T. R. Bas BUSIN r time on :— Bedford Consols. Bedford United. Bronfloyd. Caldbeck Fells. Chiverton Moor. Cook's Kitchen. Chiverton Valley. Drake Walls. Devon Great Consols. East Lovell.

East Seton,
East Gradon,
East Gradon,
East Growille,
Frank Mills,
Frontino and Bolivia.
Gawton United.
Great Vor.
Great Rock.
Great Western.
Holmbush & Kelly Bray
Hingston Down.
ht respecting these mines

Marke Valley.
North Crofty,
Okol Tor.
Princes of Wales.
Princess of Wales.
Redmoor.
Royalton.
Wheal Grenville.
West Maria.
South Caradon.
Refer to my advest

CHONTALES.—Who is right respecting these mines? Refer to my advertise ments the early part of this year, where you will find that I recommended melients to sell. I still say get out even at 10s., if no more can be obtained.

Money advanced to any extent on good mining shares.

Office hours Ten to Four.

Bankers: Bank of England.

Office hours Ten to Four. Bankers: Bank of England.

R. WILLIAM MARLBOROUGH, 1, GREAT ST. HELEN'S, BISHOPSGATE STREET, LONDON, E.C. (Established 15 years), has FOB SALE the FOLLOWING SHARES, at net prices:—
25 Aberdaunant (fully 1 bevon Cons., £162\frac{4}{6}, 26 E. Carn Brea, 4s. 3d. 50 Royalton, 14s. 3d. 50 Anglo-Argen., 19s. 3d 10 Frank Mills, £3 16s. 9
20 Anglo-Argen., 19s. 3d 100 Fruntino, 25s. 3d. 50 Anglo-Brazil., 19s. 3d 100 Fruntino, 25s. 3d. 50 Brynpostig. 26s. 50 Gen. Brazil., 4s 6d pm 20 Hingston Down, 29s. 3d. 50 Caldbeck Fells, 31s 6d 10 Chiverton, £3 7s. 10 Great Rock, £8\frac{4}{6}. 20 Holmbush and Kelly 20 Chiver. Moor, £3 18s. 3
50 Crabe Walls, 18s. 20 North Fool, 19s. 36
50 Drake Walls, 18s. 20 North Fool, 19s. 36
50 Drake Walls, 18s. 20 North Fool, 19s. 36
50 W. M. can with confidence recommend three mines which he has had specially

W. M. can with confidence recommend three mines which he has had specially inspected, the shares in which will soon considerably advance in market value. Particulars upon application.

MR. GEORGE BUDGE, STOCK AND SHAREDEALER,
No. 4, ROYAL EXCHANGE BUILDINGS, LONDON, E.C. (Established
20 years), is a SELLLER at net prices of:—
1 Devon Great Consols, £189½; 2 Minera, £171; 25 Wheal Agar, £2 3s. 6d.; 30
Okel Tor; 100 Great South Tolgus, 19s.; 120 West St. Ives, 10s. 6d.; 20 West
Godolphin, 20s.; 50 Drake Walls, 22s. 6d.; 30 Redmoor; 2 South Frances, £59; 40 Prince of Wales, 23s. 9d.; 30 East Rosewarne, 5s. 9d.; 3 West Chiverton,
£53; 20 Great Rock; 50 South Merllyn; 10o East Chiverton; 80 West Drake
Walls, 9s. 6d.; 35 East Grenville; 40 Caldbeck Fells, 30s. 6d.; 60 Bedford Consols; 70 Princess of Wales; 55 Holmbush and Kelly Bray; 100 Gwydyr Park,
4s. 3d.; 200 Anglo-Brazilian, 10s.; 150 General Brazilian, 5 prom.; 160 Sao
Viscente, 6s.

special Business in Minera, Hingston Down, and Trevarrack.

MR. PETER WATSON HAS BEEN LATELY IN WALES, visiting Great Rock, Bronfloyd, and other Lead Mines, and is NOW IN CORNWALL, attending the Great Western Meeting, as well as visiting several tin and copper mines in the county.

He returns on Monday, and will be in a position to advise as to the purchase and sale of shares.

ad sale of shares. 79, Old Broad-street, London, 17th September, 1869.

ORNISH AND FOREIGN MINES—
TO SHAREHOLDERS AND OTHERS.
PETER WATSON'S "WEEKLY MINING CIRCULAR AND SHARE LIST—
SYNOPSIS OF CORNISH AND DEVON MINES," of Friday, Sept. 17. No. 550, Vol. XI., price 6d. each copy, forwarded on application, contains information on the following mines:—
Great Western.
Great Rock.
Great Vor.
Great Vor.

East New Lovell.
Great Great Vor.

Wheal Grenville.
Van Mine.

Great Nor.
Great Vor.
North Wheal Crofty.
West Caradon.
Wheal Seton. ofty. Frontino. Van
East Wheal Lovell. Ding
East Wheal Seton. Don
Trumpet Consols.
With Information on the Tin Trade, &c.

South Darren. Wheal Grenville. Van Mine. Ding Dong. Don Pedro.

INVESTMENT OR SPECULATION.—A SELECTED LIST OF RAILWAYS, BANKS, MINES, COLONIAL SECURITIES, FOREIGN GOVERNMENT BONDS, &c., forwarded to bona fide investors on application, in addition to the high rate of interest many of the above are paying, there is now every probability of a great rise in market value.

PETER WATSON, STOCK AND SHAREDEALER,
79, OLD BROAD STREET, LONDON
(three doors only from Hercules-passage, entrance to the Stock Exchange).

Twenty-four years' experience. (Two in Cornwall and Twenty-two in London.) Bankers: The Alliance Bank, and the Union Bank of London. References given and required (when necessary) in all the principal towns of the United Kingdom.

LONDON DAILY RECORD-

STOCK AND SHARE LIST.

Published every evening at 5 o'clock.
Forwarded by same night's mail to subscribers.
Entered at Stationers' Hall, July, 1866.

Entered at Stationers' Hall, July, 1866.

Contains the latest closing prices of any share-list published; showing the rise and fall in railways, banks, foreign stocks, colonial scenrities, American securities, foreign railways; telegraphic, insurance, steamship, and miscellaneous shares; Cornish and Welsh mines, foreign gold mines, &c.

With remarks on the daily operations, and advice as to purchases or sales. Annual subscription, £1s.; by post, £2 2s.; monthly subscription by post, 4s.; single copy, id.; by post, 2d.

Published by P. WATSON, Stock and Sharedealer, 79, Old Broad-street, London, E.C.

M R. E D W A R D C O O K E, STOCK AND MINING SHAREDEALER, 76, OLD BROAD STREET (and Mining Exchange), LONDON, E.C. SPEARNE MOOR shares, at current price, pay upwards of 20 per cent. per annum.

W. H. C. U. E. No. 42, CORNHILL, LONDON, E.C.

MR. JOHN MOSS, STOCK AND SHAREDEALER,
ST. MICHAEL'S CHAMBERS, 42, CORNHILL, E.C.
Business as BUYER or SELLER in Frontino, Chontales, Don Pedro, General
Brazilian, and Taquaril Gold shares.
FRONTINO.—The last advices from the mines are the most satisfactory yet
received, and the next mail is expected to bring a larger remittance than the
last, which was 719 ozs.: shares close firm at 24s. 6d. to 26s. 6d.
Bankers: City Bank, Finch-lane, E.C.

BARTLETT AND CHAPMAN'S "INVESTMENT CIRCULAR AND FINANCIAL RECORD" for AUGUST comprises—
A Comprehensive Review of the Money, Stock, and Share Markets for the month; an Analysis of the Balance-sheets of 70 Joint-stock Banks; a Selection of the Best Investments, yielding Dividends of from 3½ to 20 per cent.; a Statement of the Dividends paid in all the Joint-stock and Cost-book Companies; and a notation of all the events of the mouth that are interesting to Investors or intending Investors. Gratis, and post free.

BARTLETT and CHAPMAN recommends the purchase of Great South Chiverton, Lianarmon, North Jane, Tin Valley, West Chiverton, Wheai Jane, and Lovell Cousols shares. Full particulars forwarded on application,

BONA FIDE MINING INVESTMENTS. MATTHEW GREENE, STOCK AND SHAREDEALER, 14. PINNER'S HALL, OLD BROAD STREET, LONDON, E.C., gives good advice on mines, and can recommend shares now well worth buying. Full particulars on application.

Bankers: Bank of England.

Bankers : Bank of England. MESSRS. J. HUME AND CO., 74, OLD BROAD STREET, LONDON, E.C. Business executed at closest limits for cash or account. Bankers: The London Joint-Stock Bank.

MR. THOMAS THOMPSON, MINING OFFICES,
12, OLD JEWRY CHAMBERS, LONDON, E.C.
Mr. THOMPSON strongly recommends the purchase of Holmbush and Kelly
Bray and Royalton Mines at their present prices; also shares in a mine on the
Van lode in the Llanidlees.

SILK AND CO., HOME AND COLONIAL AGENCY, 52, REGENT STREET, PICCADILLY CIRCUS, W., have BUSINESS in

| R. HENRY MANSELL, STOCK AND SHAREDEALER, | 1, PINNEE'S COURT, OLD BROAD STREET, LONDON. has FOR SALE, for cash or account, free of commission:— 50 Taquaril, 3s. prem. 28 Aberdaunant, £4126 50 Rosewall Hill, 18s. 6d (£5 paid.) 3 East Seton, £2%. 50 Taquaril, 3s. prem. 40 Wt. Chiverton, £52½. 50 Holmbush and Kelly 50 Chiverton Moor, £4. 50 Great Vor, £18½. 50 Chiverton Moor, £4. 50 Great Royalton, 5s. 30 Mineral Bottom, £2% 10 East Caradon, £3½. 50 Trimer OfWales, 233 30 Frontino, 25s. 10 Uny, £4½. 100 Gen. Braz., 3s. 6d.pm 10 Great Laxey, £1½. 20 Agar, £2 3s. 9d. 20 Dn Pedro, £3¾ pm. 20 Van Consols, £2½. 8U YER of 100 West Maria and Fortescue, 50 Bedford Consols, and 70 Caldbeck Eells.

DOUGH STATES AND THE STATES AND THE STATES AND SOLD THE SHARES IN CHONTALES AND PRINCE OF WALES MINES.—Parties who sold their shares in these mines on my recommendation can now judge for themselves by the present price of the shares as to the value of such advice.

Bankers: London Joint-Stock Bank.

M. EDWARD BREWIS, STOCK AND SHAREDEALER,
No. 34, OLD BROAD STREET, LONDON, E.C.
Business transacted for prompt cash, or if preferred for account in every description of tin, lead, copper, gold, and silver mining shares.

Money advanced on mining shares for account, or a longer period if desired.
BUDNICK CONSOLS.—WANTED TO BUY, 165 shares, at £4½ to £5, for cash.
Bankers: The Alliance Bank, London, E.C.

MR. C. CARKEEK, CAMBORNE,

Having had Ten Years experience in the Mines, and Twelve Years on the

Mining Market, is in a POSITION to GIVE ADVICE what to BUY and what
to AVOID; also to transact business in any of the mines in the country.

Mines inspected and reported on.

M. R. T. P. THOMAS, MINING AGENT, 77, OLD BROAD STREET, LONDON, E.C., having been connected with Lead Mines since 1848, may be CONSULTED with ADVANTAGE to PRESENT and INTEXDING INVESTORS.

Several mining setts to be disposed of upon advantageous terms. SPECIAL INFORMATION as to Nauteos Consols, Llwyn Teify, and the Crown Mines, Cardiganshire.

M R. C H A R L E S T H O M A S, MINING AGENT, GENERAL SHAREDEALER, AND AUCTIONEER, 3, GREAT ST. HELEN'S, LONDON, E.C.

MR. CHARLES THOMAS is PREPARED to BUY or SELL MR. CHARLES THOMAS IS A ABBOUNDED TO SHARES at the market prices in—
SHARES at the market prices in—
Wheal Margaret. South Merlyn. South Control
East Seton. North Crofty. Hingston
Great Laxey. North Treskerby.
OFFICES,—3, GREAT ST. HELEN'S, LONDON. South Condurrow. Hingston Down.

M R. н. L A N Y (Late of Kennall Gunpowder Company)
GUNPOWDER MERCHANT, TRURO.

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THE THIRD EDITION OF

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50 Australian Utd., £23\(\frac{1}{2}\) 25 East Seton, £27\(\frac{1}{2}\).
20 Bedford Cuntd., 37 s 6d
20 Great Kock, £9.
20 Eddford Untd., 37 s 6d
20 Caldbeck Fells, \$28 ed
20 Caldbeck Fells, \$28 ed
20 Chortales (£5 paid),
20 North Crofty, £21\(\frac{1}{2}\).
20 Wheat Agar, £24\(\frac{1}{2}\).
20 Wheat Agar, £24\(\frac{1}{2}

r otherwise.

Mr. H. B. RYE transacts business in every description of Stock Exchange ecurities at the close market price of the day,

Sept. 17, 1869.

Bankers: Robarts and Co.

A BERDAUNANT MINE, MONTGOMERYSHIRE.—

A Much ATTENTION is being bostowed upon this PROPERTY at the present moment, in consequence of the large quantity of LEAD ORE already at surface, and being raised.

Parties interested can have information from the undermentioned, who has lately inspected the mine. Capitalists contempiating an investment herein can obtain ofters of shares for a return post.

T. E. W. THOMAS, Stock and Sharedealer, 3, Great Winchester-street Buildings, London, E.C.

FOR SALE,—From 50 to 100 GREAT ROYALTON TIN MINE shares, at 5s. per share net.

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As will be seen from the prospectus, this property deserves the immediate attention of the mining investing public, from the fact of its being dissimilar to several Welsh enterprises introduced upon the success of the well-known Van. It is also a remarkable feature that there is no allusion made to that truly great mine, nor attempt to connect it in any way with that property, although it is not far distant.

Prospectuses can be had upou application to T. E. W. Thomas, 3 and 4, Great Winchester-street-buildings, London.

THE BRITISH AND FOREIGN MINING AND GENERAL INVESTMENT AGENCY, under the management of MESSRS. ENDEAN, HOOKE, AND CO., STOCK AND SHARE DEALERS, will in future be carried on at their new offices, in the building lately erected at 8s, Gracechurch-street, City, to which place all communications should be addressed.

ENDEAN, HOOKE, AND CO., STOCK AND SHARE DEALERS, beg to return their most sincere thanks for the extensive patronage of the past, and feel convinced that continued confidence will be reposed in their firm. At the same time they would assure their friends and clients that nothing on their part will be wanting to merit a continuance of the favours hitherto bestowed.

The late firm of ENDEAN and Co. have had 25 years' experience in the mining districts of Devon and Cornwall, and for seven years were connected with London mining market. Mr. EXDEAN has examined and reported upon mines in Ireland, Wales, and the isle of Man. The new firm of ENDEAN, HOOKE, and Co. have daily communications from some of the most important mineral districts in the kingdom, and more especially at present from mines in immediate contiguity to the great "Van" Mine. They have established agents in Lianidiots (Wales), Shropshire, the Northern and Midland Counties, Ireland, New York, Philadelphia (U.S.), Canada, Nova Sootia, Mexico, San Francisco, Nevada, California, Australia, and New Zoaland, and are enabled at any time to advise their clients whether to buy or sell in Mines, Railways, Canals, Banks, Hotels, Financial Companies, &c.

Orders and telegrams receive immediate attention.

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SPECIAL.

ENDEAN, HOOKE, AND CO. have for many years taken a great interest in WELSH MINING, especially the "Van" district, which Mr. Endean frequently visits in order to get the most reliable information from the principal miners of the neighbourhood, in addition to his own personal observations. They are, therefore, enabled to give valuable advice as regards investment in the "Van" Mine, Van Consols (late Bryntally, Aberdaunant, New Van, West Van, Van United, or South Van. Some of these, it is reasonable to expect, will old a properly a state of the second o the "Van" Mine, Van Consols (late Bryntail), Aberdaunant, New Van, West Van, Van United, or South Van. Some of these, it is reasonable to expect, will give large profits, and others prove a fallure. Intending investors would act wisely in consulting Messrs. Endean, Hooke, and Co. Before Purchasing.

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payable off at £100 in 1871, East New Loveli, Bedford Consols, Loveli Consols.
BUDNICK CONSOLS,—These shares are gradually advancing, and reckening
there are 1000 shares only they must attain their old price of £20 each; present
price 4% to 4%. An immediate purchase is desirable.

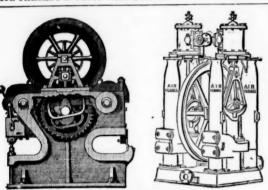
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GUNPOWDER, and BICKFORD, SMITH, AND CO. CLAIM SUCH TWO SEPARATE THREADS AS THEIR TRADE MARK.



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This wheel is at work in a great many places, to which reference will be given.

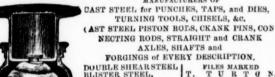
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No. 1, 8s. 6d each; if in quantities of a dozen and upwards, 8s. each; ditto
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ls. each above the No. 1. Orders received by—

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HETTON COLLIERY, FENCE HOUSES.

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Ecton Emery Works, Manchester.—We have used Blake's patent stone breaker made by you, for the last 12 months, crushing emery, &c., and it has given every satisfaction. Some time after starting the machine a piece of the moveable jav s about 20 lbs. weight, chilled cast-iron, broke off, and was crushed in the jaws of the machine to the size fixed for crushing the emery.

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Our 15 by 7 in. machine has broken 4 tons of hard whinstone in 20 minutes, for fine road metal, free from dust.

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MEADOW LANE, LEEDS, ONLY MAKER IN THE UNITED KINGDOM.

CAUTION! BLAKE'S PATENT STONE BREAKER. In Changery.

BLAKE v. ARCHER, NOVEMBER 12, 1867.

His Honour the Vice-Chancellor Wood having found a VERDICT in FAVOUR of the PLAINTIFFS in the above Cause, establishing the VALIDITY of BLAKE'S PATENT, and made a DECREE for an INJUNCTION to RESTRAIN the DEFENDANTS, Messrs, Thomas Archer and Son, of Dunston Engine-Works, near Gateshead-on-Tyne, from INFRINGING such PATENT, and crdering them to pay to the Plaintiffs the costs of the Suit.

ALL PERSONS are hereby CAUTIONED against MANUFACTURING, SELLING, or USING any STONE BREAKERS similar to BLAKE'S, which have not been manufactured by the Plaintiffs. Application will forthwith be made to the Court of Chancery for INJUNCTIONS AGAINST ALL PERSONS who may be found INFRINGING BLAKE'S PATENT after this notice.

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SPEED of LATHES may be advantageously INCREASED FIFTY PER CENT., and upwards; it is the most DURABLE STEEL in the Market, and, unlike all other steel, when forged into the desired shape, it REQUIRES NO HARDENING.

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PATENT SELF-INDICATING WEIGHING MACHINE,

Oniginal Connespondence.

AUSTRALIAN UNITED GOLD MINING COMPANY.

SIE,—In last week's Journal Mr. Lamb states the result of gold per ton of stuff crushed (13 dwts.) "is much better than we expected." In the prospectus in which Mr. Lamb appears as a director is the

following:—
"Mr. Kitto states the average of the reefs running through the Duke Mine is up to the present time, 52s. a ton, and the average yield of the leads running towards the Central, is 10s. a truck. Taking the former at 28s., and the latte at 4s., the net profits would be 60 per cent. per annum on the whole nomina capital of 50,000."

at 4s., the net profits would be 60 per cent. per annum on the whole nominal capital of 50,000."

Therefore, last year we were led to expect that such a yield as 13 dwts., worth 52s. a ton, would yield enormous profits. Directly Mr. Kitto finds he can get 13 dwts. a ton (55 ozs. ex 80 tons), he stops the stamps. Did any other manager ever willingly stop work with such a yield? As to the tailings giving 2 ozs. a ton, no doubt they do when concentrated by washing up. But how many tons giving 2 ozs. a ton will there be ex the 80 tons? Perhaps two; but, however that may be, surely it would be wiser to heap the tailings up on the surface of the mine (26 acres) till the machinery is complete, and go on crushing the 300 tons a week talked about in the letter for Mr. Kitto, of May 22, or the 700 or 800 a month of the letter of June 20, than to stop stamps yielding 13 cwts. besides the tailings. I hope the vendors in Australia and larger shareholders here than I am will look after their interest without further loss of time, and find means to induce the manager, whose 1000l. a-year time, and find means to induce the manager, whose 1000l. a-year salary goes on whether the stamps stand still or not, to—

START THE STAMPS,

NEW QUEBRADA COMPANY.

Sir,—In last week's Journal I noticed a letter from Mr. Hemming to the shareholders of this company with regard to the present state of affairs, and I presume it is open to any shareholder to state his opinion as to the best mode of
extricating the directors out of their difficulty. The meeting for the directors'
report should have been held in April last, but instead of the meeting some of
the shareholders were favoured with a circular, stating that they had under
consideration several modes of transit of the ore from the mines to the shipping
port, and as soon as they decided upon the best course they would then call the
meeting. It appears from Mr. Hemming's letter that they are still in the same
position, and are going to call together some of the practical shareholders to
decide for them.

I just want to help the directors and advise the meeting. NEW QUEBRADA COMPANY.

position, and are going to call together some of the practical shareholders to decide for them.

I just want to help the directors, and advise them what to do, as they have been trying to make a railway from the shipping port to the mines, and falled in every attempt. Is it not time to try some other mode? To my mind there are two—the first is to make a good Corduroy road; as to this I will give you Mr. Pritchett's opinion, who went out at the request of the directors to report upon it. Mr. Pritchett in his report says the cost of a Corduroy road between Tucacas and Tablero would be 34871.5s.; from Tablero to La Haca, 2725L; total, including bridges, 6212L.5s. The next thing is how to get the ore over it when made. That I could easily accomplish by using Mr. Thompson's Traction Engines, of Edinburgh. Having seen one tried on very uneven ground across deep furrows, I am decidedly of opinion that they would answer for the Quebrada Company. The cost of the engine is 600L, capable of drawing 10 tons. Then with regard to the other, that is Mr. Hodgson's Wire Tramway. Not having seen it at work I am unable to give a decided opinion upon it, but as Mr. Hodgson is making ten-mile lengths, I suppose there would have to be a steam-engine every ten miles. The boilers would have to be made to consume wood, as there is plenty on the estate. There would be required a few men at each station to take off the boxes and refix them. The boxes and the supports could be made on the place. I will leave it to the directors to decide, as I understand they have been to look at the For the future, no more Quebrada reports, Quebrada spechago, Quebrada managers. So far it has been nothing else but Quebradas, so that it has been rightly named.

MINING IN COLORADO.

MINING IN COLORADO.

MINING IN COLORADO.

SIR,—I was much astonished at the advertisement of Prof. N. P. Hill, of Black Hawk, Colorado, in last week's Journal, although the motive of its publication is apparent to me. The "questionable enterprise" of which he speaks has for its object the furnishing of convincing proofs to the European capitalist and emigrant of the vast field for investment and emigrant or there is held for investment and emigrant or there is in the amazingly beautiful, fertile, and mineral resources of the territory of Colorado—firstly, shipping to England a large quantity of Colorado ores (shortly now to arrivo) in order to prove their wonderful richness and value. In this "questionable interprise" we are employing only our own eapthal, not intending to assent. The acts, as the cult we have proved to them the safety of the investinable interprise. The acts are cult we have proved to them the safety of the investinable interprise "we are employing only our own eapthal, not intending to assent. The acts, as the cult we have proved to them the safety of the investinable in the provention of the control of the control

ROYALTON MINE, AND ITS MANAGEMENT.

ROYALTON MINE, AND ITS MANAGEMENT.

SIR,—About a year ago the most extravagant expectations were formed of this property. The captain estimated that he could supply work for 48 stamps, with the result of 300L per month profit to the shareholders. In contrast with this calculation the accounts presented to the annual meeting show a very different state of affairs. Instead of 278 cwts. of tin per month, the returns have varied between the minimum of 34½ cwts. and the maximum of 111, and the difference between fact and prediction is as conspicuous in other directions. The total result shows a loss on the year at the rate of nearly 200L, per month. The year began in debt to the extent of 1600L, but this was to be cleared off, and the speculation was to be turned into "the great prize of the year 1869." Royalton did not start hast year. It had been in existence before, but did no good. In 1868 it was taken in hand by a set of new brooms. A fermentation arose in the market for shares, and the fortunate possessors of what had hitherto been a bad stock now largely accompodated the nublic at high prices. After a time, how.

market for shares, and the fortunate possessors of what had hitterto been a bad stock now largely accommodated the public at high prices. After a time, however, it was found that matters were not making the progress that had been promised. Indeed, the whole fancy scheme of calculations came to grief, and the author retired with a handsome testimonial that he was a "first-class manager of a first-class property." The secretary—who assured the world that there would be no falling off in the returns, that he "would maintain" and stand by what he had aircady said, that there would be no difficulty in obtaining a dividend of it. per share per annum—now finds it advisable to retire also, and the company is again committed to the charge of another set of new brooms. Capt. Hocking and Mr. Ward are not responsible for the past, and are not at all likely to commit themselves to the estimates of 1868. It will be as well, therefore, that the shareholders should specially notice the condition of affairs at the time of transfer, and dispel from their minds the illusions which have unjust, 1863 and 1869, 779 ewts. of ore, sold at an average of 70s., producing 27271. The expenditure to procure this result has been—Labour, 23321; dues, 1512. To be merchants' bills, 6261, 12s.; general exponses, 1621, 10s.; besides building new engine-house, &c., 1171, 8s. 5da, so that the year balances with a loss of 5032, which, added to the Dr. balance of last year, shows the mine to be behind the world altogether 21911. The shareholders have bayer yeasled to wheen the house of the downtrans of the downtrans of the adventurers. Will Royalton, after baying been so long ing the fortunes of the adventurers. Will Royalton, after baying been so long a losing concern, now be made to pay by virtue of this call? The shareholders will find that the ore which they are sold at 70s, (prices rauged between 56s, 6d. and 79s, 3d.), cost them 84s., and 64c a loss of 14s. per cwt. all the year through charges, 4s. No account is alson of the new engine in ever

MINING IN CARDIGANSHIRE-No. V.

ON THE JUNCTION OF LODES-THEIR INFLUENCE AND EFFECTS.

MINING IN CARDIGANSHIRE—No. V.

ON THE JUNCTION OF LODES—THEIR INFLUENCE AND EFFECTS.

SIR,—So far as yet described, we have seen that it is at and near the junction of lodes that the greatest mines are found, and, of course, the greatest courses of ore. We cannot, therefore, in considering these matters, pay too much attention to the bearing and underlay these lodes assume at their junction, on which points I hope at no distant time to enter fully into. In the meantime, I will proceed with the junctions at Goginan and the Bwlch Consols Mines.

The Goginan vein is very wide, being, where found most productive, not less than 3 fms., on an average, Its direction or bearing is nearly due east and west, sometimes going 5° north of east, and this is its bearing in passing through its richest courses of ore. About 150 fms. from its western boundary there is a lode that separates from it, running 35° to the west of north, which I am not disposed to treat as a separate vein, but a branch of it, and one that will at some distance westward again unite with it. Wherever we find lodes of this description they would seem to act as the roots of a tree, supplying nourlshment to the "trunk;" and it is to the east of this junction that the great mass of ore at this minchas been found, which in olden and modern times has yielded a million pounds worth of silver-lead. The most productive part of the ground extends 150 fms. castward of the golund describe; the vein is the helps productive for some distance eastward, until reaching the boundary of the Bwlch Consols, about 300 fms. east of the great course of ore. In this 300 fms. there are occasional good bunches of lead ore, which are now enabling the present company to realise some good profits. On reaching the boundary of the golund extends 150 fms. castward of the golund excipted; the vein is the present company to realise some good profits. On reaching the boundary of the Bwlch Consols, being 60 fms. long, and worked in places as wide as 5 and 6 fms. This lode in going extward

WHEAL TREVENNA, AND ITS MANAGEMENT.

WHEAL TREVENNA, AND ITS MANAGEMENT.

Sir.—Will you kindly allow me, through the medium of the Journal, to call the attention of my fellow-shareholders to the disfavour they are daily incurring in the eyes of the mining public by allowing this long-since effect company to prolong to such extreme limits the semblance of existence? Two years since a petition to wind-up the company was filed by most respectable shareholders, with the sanction of the majority of the members. Counter affidavits were made respecting the management of the company's affairs. Long ago the lord of the soil treated the company, through its representatives, as mere "cumberers of the ground," and wished them to give up occupation. The shareholders distrusted the capacity of the directors and officers to manage their affairs in a straightforward and satisfactory manner. The reports of the directors and straightforward and satisfactory manner. The reports of the directors and straightforward and satisfactory manner. The reports of the directors and extraightforward and satisfactory manner. The reports of the directors and straightforward and satisfactory manner. The reports of the directors and straightforward and satisfactory manner. The reports of the directors and straightforward and satisfactory manner. The reports of the directors and straightforward and satisfactory manner. The reports of the director and the segment of the same manager were pronounced to be delusive and contradictory; notwithstanding, these gentlemen have continued to work the mine while capital yet remained to be called up.

Concerning the "unforeseen circumstances," the "accidents," the "incompetency of one agent, and the treachery of another, acting under the same managers," we have had a surfet of "explanations." There is one explanation, however, yet to be given—that is of the sudden and calamitous falling off in returns immediately after the unostentations withdrawal of Mr. Wadge's co-operation. I do not depy to the manage and his coadjuctors credit for that "buil

VIRTUOUS LADY MINE.

Aughim-street, Dublin.

WIRTUOUS LADY MINE.

Sira,—Themine is daily more and more improving, the width of the south lode we do not know, but, undoubtedly, like the other Virtuous Lady lodes, it is something about 100 feet wide; it is composed of gossan, prina, and black and grey, with apots of malicable copper ore. We get a layer of ore and prian from 3 to 6 to 19 in, thick, then a foot or two of gossan, again a layer of ore, and so on; the average percentage for copper of the layers of ore and prian as broken down is 9 per cent., without attempting to remove the prian to increase the product, the gossan is valueless for copper, as it contains only about 1 per cent.; however, the whole will produce 10 ozs. of silver to the ton. This discovery is about 25 tt. from surface, and above, below, and just about all around us is a mass of gossan, with these layers of ore. As soon as the water is out of the mine we can have a peep at this lode again. Only 30 fathoms deeper, by driving from the Garden shaft, the lode is underlying in the hill, and about 25 fathoms drivage will cut it; this and the great caunter lode have never been explored at all, only 10 fathoms deeper, by driving from the Garden shaft, the lode is underlying in the hill, and about 25 fathoms drivage will cut it; this and the great caunter lode have never been explored at all, only 10 fathoms deeper, by driving from the Garden shaft, the lode is underlying in the hill, and about 25 fathoms drivage months since to work the mine, I was told by several miners, who know the property well, that we had only to fork the water and we should see plenty of ore in the old workings. I confess to being exceedingly sanguine as to our very early and great success, but from the first I poob-poched the idea of our going down at once into a land flowing with milk and honey, as it does not seem feasible that the ancients, or more moderns of 20 years since who worked the mine, should have left riches all open for us, and, of course, such is not the case. However, after th

vourably received, not a share was applied for, as we already have success, and the capital subscribed is bound to thoroughly explore the property, so that the secret must out.

I shall shortly bring before the notice of the public several young and most promising mines, in which I have spent large sums of money, and am willing with others, to materially ald by finding my portion to give them a proper do volonited the being in the speaking, perhaps rather glowingly, of my own affairs, do not led it be imagined that I wish to depreciate properties in the hands of other parties—how different indeed. I have confidence that three-fifths at least of all the mines now at work in England are at their present prices exceedingly good investments for capitalists, both for the one who has a taste for share-dealing and also for the other who, like myself, has a greater relish for legitimate mining. The tide is on the turn; copper must soon go up. Foreign mining is decidedly a miserable failure, and undoubtedly will go utterly to the dogs as soon as the English capitalist turn their backs upon it. I could not help smiling at Mr. Hill's letter, in the Journal of last week, but I need say nothing; the least said the soonest mended.

Why does the English capitalist allow his cash to be transported to prove foreign lands, which, with all their reported mountains of wealth, yield forth no profit, and in many cases no mineral at all? I repeat, as I have said before, English mining is quite in its infancy, and selence and trade are daily making it less speculative. There is ample room in our own little isle for any spare capital, and with English, so different to foreign mines, any intending or aggrieved in vestor can, with a trifling expense, pay an actual visit to his property, and ascertain for himself, as in our case, that there really does exist a "Virtuous Lady," and the secretary—

5. Abbey Mood, Tavistock, September 16.

[For remainder of Original Correspondence, see this day's Supplement].

[For remainder of Original Correspondence, see this day's Supplement].

The NEW VADE MECUM (invented and manufactured by Charles H. Vincent, optician, of 23, Windsor-street, Liverpool) consists of a telescope well adapted for tourists, &c., to which is added an excellent microscope of great power and first-class-definition, quite equal to others sold at ten times the price. Wonderful as it may seem, the price of this ingenious combination is only 3s. 6d., and Mr. Vincent sends it (carriage free) anywhere, with printed directions, upon receipt of Post Office order, or stamps, to the amount of 3s. 10d.

Meetings of Mining Companies.

GREAT WHEAL VOR UNITED MINING COMPANY.

The quarterly general meeting of shareholders will be held on Wedesday. The profit and loss account for the three months ending

EAST NEW WHEAL LOVELL MINING COMPANY.

EAST NEW WHEAL LOVELL MINING COMPANY.

A general meeting of shareholders was held at the company's offices, Old Broad-street, on Wednesday,—Mr. Peter Watson in the chair.

Mr. A. E. Cooke (the secretary) read the notice convening the meeting and the statement of accounts, which showed a debit balance of 226l. 14s. 6d. The subjoined report was then submitted:—

Sept. 14.—Since the last meeting of shareholders the engine-shaft has bee sunk 2 fins., making in all 3 fins, from surface, but owing to an increase of wate' is suspended until the engine goes to work. A considerable amount of costeaning has been done in the north part of the sett, by which we have succeeded in discovering the rich East Lovell lode; it is about 4 feet wide, and contains splendid stones of th; although the deepest point seen is only 3 fins., it has been pronounced by impartial and disinterested practical men to be as fine a lode for its depth as can possibly be seen, in consequence of which we have commenced to sluk an engine-shaft on its course. A substantial engine-house has been receted, and the 40-inch epilnder engine recommended by the engineers at the last meeting has been purchased, and is in course of crection, which is hope will get to work in about four weeks from this date, after which we shall sluk two shafts on lodes presenting appearances second to none I have ever seen in the county, and from the close proximity to the unparalleled rich deposit of tin in the adjoining mine—East Wheal Lovell—where the lode is worth 50 tips county, and from the close proximity to the unparalleled rich deposit of tin in the adjoining mine—East Wheal Lovell—where the lode is worth 50 tips cut of the county, and from the close proximity to the unparalleled rich deposit of tin in the adjoining mine—East Wheal Lovell—where the lode is worth 50 tips cut of the county and from the close proximity to the engineery to do a great deal of surface work, especially in draining the north ground, the advantage of which will be found on prosecuting the mine i

The CHAIRMAN, in moving the reception of the report and accounts, congratulated the shareholders upon the position and prospects of the undertaking. It was true that the costs had been somewhat heavier than usual during the three months, but this was fully accounted for by the circumstance that much extra work had been done in connection, more especially, with the new engine; of all this, however, they would reap the advantage, and they must be quite aware that the outlay which had been made was absolutely necessary for the proper development of the property.

Mr. CHARLES BAWDEN knew they had been as economic as was at all possible. The new engine they were now putting up was a 40-in, cylinder, and was in first-rate condition. They had been using all speed to get it up, and he had no hesitation in saying that it would be ready for work in a monthe recently concerning mine accounts kept entirely in the county, it was of the utmost importance that they should always be well looked into; it was a lamentable position for business matters to get into when accounts could be kept back for years, so that the shareholders in a mine supposed to be perfectly clear of itabilities, could be called upon to pay claims against them for debts contracted, perhaps, many years previously. It was from feeling this that he was especially desirous that it should be understood that in the balance-sheet which was now before them no debt or liability whatever had been omitted—he was zealous that all should be charged up, and that the shareholders hould know their position to the penny.

Mr. BAWDEN thought the shareholders need have no misgivings in that re-

perhaps, many years previously. It was from feeling this that he was especially desirous that it should be understood that in the balance-sheet which was now before them no debt or liability whatever had been omitted—he was zealous that all should be charged up, and that the shareholders should know their position to the penuy.

Mr. BAWDEN thought the shareholders need have no misgivings in that respect, and if they were to wind-up the company at once their accounts could be guaranteed to represent their exact position.

The SECRETARY would like to make one observation with regard to the accounts. The item for the capstan and shears really represented an amount not yet due; but as they had been received upon the mine they were included in the accounts, although they would not have to be paid for until next month.

Mr. Coomse expressed himself perfectly satisfied with the accounts, which were drawn up in a very clear and intelligible manner.

The CHAIRMAN said that as Mr. Bawden was present it would be very satisfactory, especially to absent shareholders, if his opinion were elicited upon any point with regard to which information was desired.

The CHAIRMAN had known the district for a considerable period, and, indeed, had been one who had upon all occasions retained confidence in it. In East Lovell the deposit had varied from 5004, to 7004, per fathom, and that result habeen attained at no great distance from this mine. He confidence in it. In East Lovell they had a large extent of ground to work upon, whilst East Lovell, which is position.

Mr. Cooke said that he next question for the consideration of the meeting was their financial position. The accounts showed them what they required to clear up to the present time, and the now Stannaries Amendment Act authorised them to provide for carrying on the mine; he thought, therefore, that if they made a call of 3s, they would place their finances in a very good position.

Mr. BAWDEN could guarantee that everything brought upon the mine was at once charged in the ac

[ADVERTISEMENT.]

From Mr. J. B. REYNOLDS:—"Everybody out of town?" No, not now. The weather is driving people back, and the indications of the busy season are showing themselves. Those of us who for many years have had to represent the mining interest know full well that the stagnant period through which we have been passing might have been expected, and we are as certain that before long legitimate investment in mines will in all probability be as much in favour as ever. Nor is this conclusion difficult to arrive at, for it is well known that people are literally at their wits' end how to invest their surplus funds. To foreign loans prudent men will not look, and there are other securities dealt in on our market which for very shame we would blush to menion. Let doubtful things be passed, but in passing let us not over look the good. The better our selection the more we are doing for healthy trade, and vice versa.

There have been, and still are, people who decry "gold mines." Never having been able to get hold of one themselves, they refuse to believe in the ability of other people to do so. Pointing out some swindles, they put all down as such. These men speak without knowledge, and what, perhaps, is more unpardonable, without consideration. Their advocacy of foreign mining enterprise would, it is true, be of little weight, still it would be well for them not to condeum all sovereigns because they have had some few bad pleces of coin paimed off upon them, or upon their friends. At the same time, when so many bad coins are about, it is right that people should be supletious, and take care ore they change what they know to be good for what may turn out to be bad. We must concede at once that there are good gold mines, and providing that the limits are well understood to be right, and the title unquestionable, and the informants or inspectors quite trustworth and able, a correct conclusion may easily be arrived at whether or not the afair is worthy the notice of the investor at the selling price. Now, bearing in mind all these

Tram-Railway Company of Great Britain

CAPITAL £500,000, IN SHARES OF £10 EACH. FIRST ISSUE, 10,000 SHARES

(With power to increase).

Deposit on application, £1 per share; £3 on allotment. Calls not to exceed £2 per share, at intervals of not less than three months. CHAIRMAN.

Sir GEORGE BOWYER, Bart., D.C.L., Radley-park, Berks, and 13, King's Bench Walk, Temple, E.C. DIRECTORS.

Sir LAWRENCE PALK, Bart., M.P., Haldon House, Exeter, and 1, Grosvenor-gardens, W.

GEORGE H. WHALLEY, Esq., M.P., Plas Madoc, Ruabon, North Wales, and Reform Club, S.W.

Major S. YORKE MARTIN, Thornville, Ryde, Isle of Wight.

GEORGE DAWES, Esq. (Messrs. W. H. and G. Dawes, Ironmasters, Milton and Elsecar Iron Works, near Barnsley; the Denby Iron Company, and Trent Iron Company), 9B, New Broad-street, E.C.

FRANCIS LOGAN, Esq., Cliffe Side, Bournemouth, and the Athenæum Club, London, S.W.

WILLIAM SLATER, Esq. (Messrs. William Slater and Co., the Exchange Bank, Carlisle.)

JOHN T. SPRAGUE, Esq., Old Park and Malin's Lee Iron Works, Shifnal, Shropshire.

PHILIP THOMAS BLYTH, Esq. (Messrs. Blyth and Co., East India Merchants), 17, Gracechurch-street, E.C. With power to add to their number.

ENGINEER-IN-CHIEF—THOMAS PAGE, Esq., M.Inst.C.E., F.G.S., F.R.G.S., &c.
BANKERS—THE LONDON AND WESTMINSTER BANK, Lothbury; Messrs. WILLIS, PERCIVAL, and Co., 76, Lombard-street. BROKERS-Messrs, CROSLEY BROTHERS and CO., 3, Royal Exchange-buildings, City, E.C. SECRETARY (pro tem.)-W. H. HEPBURNE, Esq.

OFFICES,-NO. 9D, NEW BROAD STREET, CITY, E.C.

ABRIDGED PROSPECTUS.

It is proposed, by properly constructed tramways or road-rails, to bring into direct communication with the existing railway systems outlying towns and districts; and for the purpose of constructing such tram-railways this company has been formed.

Complete prospectuses may be had at the company's offices.

Applications for shares will be received by the company's bankers and brokers, and by the secretary, 9D, New Broad-street, City, E.C.

Thevarrack United Mining Company.

CAPITAL £4096, IN 2048 SHARES OF £2 EACH.

10s. to be paid on application, and 10s. on allotment.

DIRECTORS.

The directors will be chosen by the shareholders at the first general meeting, which will be held immediately after allotment.

BANKERS-TWEEDY, WILLIAMS, and Co., Redruth.

PURSER-C. STEPHENS, Esq., Penzance. SECRETARY-GEORGE STILL, Esq.

OFFICES:

LONDON: ETHELBURGA HOUSE, 70 AND 71, BISHOPSGATE STREET WITHIN.

All applications for prospectuses and shares to be made to the secretary at the London office, or to the bankers,

The object of the company is to purchase and work a certain mining property, situated in the parish of Lelant, Cornwall, and in a district famous for its metallic resources. In fact, the vicinity is one of the most remarkable mining re-

situated in the parish of Leann, containing the analysis and a surface mining regions in Cornwall.

The mine now at work upon the property is in the hands of one person, and is an undertaking too heavy for his individual resources.

The mine is sunk upon a very rich tin lode, one that has been hitherto unusually productive, and has never in any instance been known to fail.

The mine as at present worked has afforded abundant proof that, if carried on with adequate means, it will yield riches to its possessors. It is one of the finest progressive properties in the county, and only requires to be worked with commensurate power speedily to become dividend-paying, and at such a rate upon the outlay as will constrain general attention and surprise. On the depth at which it is now worked a more splendid lode could not be desired. A large pile of tinstuff is now at surface.

The proof afforded of the extraordinary excellence of this property is too conclusive to be resisted. The unanimous opinion in the neighbourhood can be ascertained by any enquirer to be, that this is one of the best mines which has been discovered in recent times. The property has been inspected by men known

in Cornwall as possessing the highest experience, and they have given unqualified testimony as to its excellence. Among the experienced persons who have borne evidence so strongly in its favour are Capt. James Pope, late of Basset; Capt. Henry James; and Capt. James Evans, of St. Agnes.

A splendid opportunity now presents itself in Trevarrack United for investors who prefer working a rich progressive mine to its maturity, when its shares will probably be worth ten times their original value, to the purchase of shares at a high premium in dividend-paying companies, and realising perhaps only 5 to 16 per cent. upon the outlay.

5 to 10 per cent. upon the outlay.

The sum of £900 is to be paid for the property.

Applications should be immediately made, as already indicated, to the company's bankers, or at the company's offices in London,

The resident agent has sent the following concise statement :-"Trevarrack Mine.—The lode is looking splendid in sinking, it is holding it large size, and daily improving."

The Virtuous Lady Mining Company

(LIMITED).

INCORPORATED UNDER THE COMPANIES ACTS, 1862 AND 1867.

CAPITAL £15,000, IN 15,000 £1 FULLY PAID-UP SHARES.

N.B.—The whole of the shares are taken up. The present quotation is £2 per share, and a limited number only will be disposed of at that price, as they are rapidly advancing in value.

The directors were chosen at the First General Meeting of Shareholders, which took place on Wednesday, September 1 1869, at the Bedford Hotel, Tavistock.

BANKERS-THE WEST OF ENGLAND AND SOUTH WALES DISTRICT BANK.

SOLICITOR-MR, EDWARD CHILCOTT, Tavistock.

SECRETARY-MR. THOS. J. BARNARD, 5, Abbey Mead, Tavistock.

The Virtuous Lady Mine is situated about 3 miles south-west of the town of Tavistock.

The sett, which is very extensive, and comprises the most highly mineralised ground in the two counties of Devon and Cornwall, is mineralised ground in the two counties of Devon and Cornwall, is held upon lease for 21 years, from Sir Massey Lopes, Baronet, dated July, 1869, upon a royalty or dues of 1-18th.

Almost unlimited water-power is available, as the rivers Walkham and Tavy pass through the sett.

Historical records set forth that this mine was worked by the ancients for silver, and that the caverns which were formed by mining industry were in later years inhabited by banditti. It is generally known that well advanced in the present century the mine has returned tens of thousands of tons of rich copper ore, lit, however, quite apparent that in the past the intrinsic value of the property was unknown, and, therefore, never duly appreciated, or it would have been more developed, and the treasures already discovered not left for the prosent proprietors. It was for years recognised as the mine of mines from its immense returned or ich copper ore, nevertheless the deepest workings are only about 17 fathems from surface, which will readily show that really practically appreciated, or it would have been more developed, and the treasures already discovered not left for the prosent proprietors. It was for years recognised as the mine of mines from its immense returned or ich copper ore, never duly appreciated, or it would have been more developed, and the treasures already discovered not left for the prosent proprietors. It was for years recognised as the mine of mines from its immense returned or ich copper ore, never duly appreciated, or it would have been more of eveloped, and the treasures already discovered not left for the prosent proprietors. It was for years recognised as the mine of mines from its immense returned or ich copper ore, never the copper ore, never the copper ore, never the copper ore, never the copper ore, immense returns of rich copper ore, nevertheless the deepest workings are only about 17 fathems from surface, which will readily show that really practically the mine has hardly been explored at all. The courses of ore so far worked upon are not what are called regularly defined; they are what are termed "flats;" they have, however, perfect walls, and when descending into the earth have a beautiful underlie; but suddenly the descent cases, and the courses of ore run away in a "flat" direction for some considerable distance, when they again take a descent, with a fair underlie. It is from these "flats" that tens of thousands of tons of copper have been extracted, and the horizontal courses alone will unquestionably yield great quantities of ore, as they, comparatively speaking, have thus far been but slightly worked; the "flats" are, however, merely out-throws, yea, threads only of and from the gigantle quartzy lodes which are 100 to 200 feet wide. By a winze or sink that has been put down some a fins, in one of the levels the ground below is found producing good and large stones of rich ore, and the cytdence appears clear that these immense quartz lodes will when followed to the deep make most extensive lasting deposits of copper ore. The extensive and remarkable crystallisation and decomposition throughout these great quartz lodes is a further striking evidence of the chemical action caused by affinity, change, or formation of existing very large metallic mineral bodies below, and further, the great canner lode to the south (upon which operations as shoadings only have been done as yet), and dipping to the north, will at about 40 fathoms from surface form a junction with the great north lodes, when almost unheard of masses of copper may be expected to be discovered. The mine is in full operation, a water wheel and crushing machine and all the necessary machinery being in the active course of erection, and temporary dressing floors are laid out in order to dress the ore upon a small scale, until the machinery i

J. Harvey, Assayer, of Tavistock, has made several copper assays, the products of different specimens ranging from 6 to 25 per cent. A killas and peach have also been submitted to Dr. Phipson, and Mr. W. Bichards, gold and silver assayer, of London, to be tested for gold, by analysis and assay, and out of very small samples, both gentlemen found strong traces of gold. It is not at all unlikely the rich deposits of quartz in the old workings may contain both gold and silver, not visible to the eye, but rich enough to yield a profit upon pulverisation and proper treatment. Reference may be drawn to the fact that this mine has received large sums of money for its quartz specimens, as simply ornamental works of nature, it having been the rule to search every man coming from underground.

underground.

Ample capital is provided to put up most extensive and all necessary machinery, and thoroughly explore the mine, and at the same time the parts of the lodes above water level now being worked upon, which are productive in rich ore, and daily growing more valuable, will at once, and more especially when the machinery is in motion, so that the crusher can be used, furnish profits which can only result in handsome dividends at an early date.

Knowing that reports by mining agents embodied in a prospectus are more or less ignored, none accompany this circular. The mine is in full operation, and can be visited and inspected by any intending lavestor, mining inspector, or visitor upon their own account, upon application to the secretary for a visit ing card.

The company is formed, the shares are all taken up, and the wine state of the secretary for a visit to own merits, once for the secretary are all taken up, and the wine state of the secretary for a visit or merits, once for the secretary are all taken up, and the wine state of the secretary for a visit or merits, once for the secretary are all taken up, and the wine state of the secretary for a visit or merits, once for the secretary for a visit or merits, once for the secretary for a visit or merits, once for the secretary for a visit or merits.

mpany is formed, the shares are all taken up, and the mine stands upon merits, open for the world to criticise.

Shares can be purchased of the Secretary, Mr. Thos. J. Barnard, 5, Abbey Mead, Tavistock, who is prepared to transfer a limited number at £2 per share.

COAL IN INDIA.

THE COAL FIELDS OF THE CENTRAL PROVINCES.

We stated a few days ago that the Government of India, assured by competent authorities of the existence of a valuable coal field in the Central Provinces, had determined upon procuring from England the best apparatus it is possible to obtain, in order to test the extent of that field; moreover, notwithstanding the commendable caution that has characterised the action of the Chief Commissioner of the Central Provinces, certainty is so men'y attained that a light line of the Central Provinces, certainty is so men'y attained that a light line of the Central Provinces, certainty is so men'y attained that a light line of the Central Provinces, certainty is so men'y attained that a light line of the Central Provinces, certainty is so men'y attained that a light line of the Central Provinces, certainty is so men'y attained that a light line of the Central Provinces and the Central Provinces and

gratifying than is expected. If such is the case, the construction of the light line of railway must immediately follow.—Times of India, Bombay, July 6.

CHANDA COAL FIELDS.—We learn that the boring operations now being carried out in the Chanda coal fields are attended with the most encouraging results. One coal seam has, it is said, been discovered, 30 ft. in thickness, of such an extent that it alone could supply fuel to all the railways in India for half a century to come. Mr. Mark Fryar prosecutes his researches with unflagging zeal and unexpected success; and as a consequence, the Geological Survey people are threatening to step in and claim both him and his work. Mr. Oldham, it is said, has began to press what he fancies to be a claim to have the sole direction of the explorations, boring and mining, and everything else entirely independent of Mr. Morris, the Chief Commissioner. The claim put forward by the Geological Department does not surprise us; the present was hardly a chance to be missed. But at the same time the credit of the discovery is so entirely due to the officers of the Central Provinces Commission, and so well qualified have they shown themselves for the direction of such operations, that we should be very sorry indeed to see anyone allowed to interfere now that success has to \$\frac{2}{2}\$ crowned their labours. Indeed, we fail to perceive what Mr. Oldham has to do with the matter at all. He may, of course, if he like, say to Lord Mayo—"Mr. Fryar is an officer of my department, and I cannot allow him to be thus disconnected therefrom." and very probably he will receive his juwab. Or Mr. Oldham may send another officer to Chanda to make scientific observations, and to report to him. No one, we suppose, would have any objection to that course, but it is altogether unreasonable to expect that now, because he happens to be the head of the geologists, he should step in and in any way interfere with plans already formed, plans which may be weighty considerations to recommend them, of which a g

CWM DWYFOR COPPER AND SILVER-LEAD MINES.—The rock in the level has been exceedingly hard for some yards, composed of quartz, hard capel, and metamorphosed slate. This exceedingly tenacious band appears to have formed the shell of a remarkable vugh, or hollow in the rock, which, in addition to the usual concomitant of vughs—beautful crystals of quartz, interspersed with crystals or cubes of mineral—carried on its inner surface a fine branch of copper imbedded in the congenial quarts of the district, so well known as the matrix of every copper-bearing lode in North Wales. This is the second lode or branch of copper already passed through in this comparatively short level, the first being of the full size of an ordinary Cornish lode, 2 feet 6 inches in width. There is little doubt, from the angle of inclination, that in depth all these lodes or branches will unite with the gigantle lode, now only a few yards distant, to cut which the level is being driven. The copper-bearing district of this country (North Wales) has never yet been half developed or appreciated, although more copper has been raised in a single year from one of these mines than from all the copper mines of Cornwall put together. This fact has been too little known or considered, but the sensible and practical letters of Mr. Absolom Bennett will, no doubt, direct the attention of the investing public to new virgin mines, like the Cwm Dwyfor, where the numerous and rich lodes can be worked for 300 yards in depth from their present productive points without any machinery by levels alone. Such CWM DWYFOR COPPER AND SILVER-LEAD MINES.—The rock in

properties only need be seen by experienced miners to obtain for them a reputation second to none in the Principality. This does not resemble a new and improved mining property, but is one reduced to the apparent certainties which mines can ever ensure by the fact of the adjoining mines having been profitably and large productive for centuries.

MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPONDENCE.]

MINING IN WALES.—It is to be regretted that we do not hear a little more through the medium of the Journal of what is being carried on in the Nanteos Consols. However, for the benefit of those interested, it may be satisfactory to know that the wheel is now at work, and the drawing of lead ore proceeding regularly and satisfactorily. A 33-in. crushing-mill, with ruff wheel, and everything complete, is now delivered on the mine, and may be expected to get into a regular state of working in two months, when good returns and profits will be made. The 26 west and Barbery's new discovery are both looking exceedingly well.—Linynteify Lead Minns: In the 35 there is a course of ore discovered left standing by the side of the old works, that will yield more than 1 ton of lead ore per fathom for 100 fms. long and 30 fms. high. This can be worked on a tribute of 4s. in 1t., and will leave more than one-half of the value of the ore in profits to the fortunate shareholders. It will take from three to four months to erect the necessary machinery and ventilate the mine properly.

—The Livwernog Mine is fast approaching a dividend-paying state. The course of ore in the 69 yields upwards of 2 tons per fathom. As soon as this ground is laid open for stoping great profits will be made.—Dolwern's a stracting attention, the lode being one of the finest description, and being in a fine channel of unbroken ground for a great distance, with a great probability of soon meeting a good course of lead ore.—Absalon Francis: Geginan, Sept. 15.

Hingston Down.—An important improvement has taken place

soon meeting a good course of lead ore.—ABSALON FRANCIS: Goginan, Sept. 15.

HINGSTON DOWN.—An important improvement has taken place
in this mine, the lode in the 100 west being a fine course of ore. Prior to making
a small cross-course it was valued at 401, per fathom; it is now worth 201, per
fathom, with every prospect of further improvement. In addition to this discovery, the 140 west is letting out a large stream of water, indicative of a large
course of ore being hear at hand. A stone of ore from the 100 has been assayed,
and gives a produce of 43 7-10ths for copper.

GREAT WHEAL VOR has further improved during the past few days,
and at points which have a material effect upon its permanent prosperity.

GREAT WHEAL VOR has further improved during the past few days, and at points which have a material effect upon its permanent presperity.

The recent improvement in the KOYALTON TIN MINE is likely again to bring this district into favourable notice. A sufficient call was made at the last meeting to place the company in a sound financial position, and to erect the 4s heads of additional stamps, engine for pumping, drawing, &c., which will lead to more than double the present returns of tin. There is little doubt of Royalton becoming a permanent dividend mine.

TIN VALLEY is progressing very satisfactorily, and they are now making arsenic, and preparing tin for the market from the halvans at surface, of which there are large quantities. The copper lode is producing 1½ ton per fathom, and there are indications of further improvement.

PROSPER UNITED.—The sale of the valuable plant and machinery

making arsenic, and preparing the for the market from the halvans at surface, of which there are large quantities. The copper lode is producing 1½ ton per fathom, and three are indications of further improvement.

PROSPER UNITED.—The sale of the valuable plant and machinery of these mines took place on Tuesday. After considerable competition they were knocked dywn to Capt. Teague, of Timeroft, for the large sum of 7075t. We understand that Mr. Hill, of Helston, attended on behalf of the lords, and offered to grant new setts on most liberal terms; and Capt. Teague had a fortnight granted him wherein to make application. There are about 400 hands employed on the mlue, and the monthly labour pay alone amounts to nearly 1000t. The last pay-day took place a few days since, and there being no funds immediately applicable for the purpose, Messrs. Hervey and Co., of Hayle, came forward and paid out of their own pockets the whole of the labour cost, amounting to over a company and the satisfactory to know that, even if a new company should not be formed, the poor labourers will be paid in full without any delay.

New Birch Tor And Vittfer.—We are in excellent working order, and shall show at next meeting a very favourable position of affairs, the sales of the lata account (24 tons 4 cwts. 3 qrs. 9 lbs.) realising, with carriage, 1541t. 3s. 9d., leaving a balance in favour of adventuers of 45t. 2s. 1od.

New Trellawny (St. Ives).—It is very gratifying to notice active operations resumed in this highly promising undertaking. The neglect of the late company to prosecute thoroughly this property by the erection of an engine and efficient machinery has been taken advantage of by a few private individuals, who are now working in earnest. A very excellent engine is being erected for the purposes of pumping and drawing, and when it is considered that from the shaft, which was only sunk 37 fathoms from surface, on the course of the lode, and about 30 fatherms driven east and wesk in the 30, over 230 tons of mineral was raised an

LOVEL6. CONSOLS.—The 12 east, on the north lode, which was reported 10 or 12 days since as having improved and producing fine stones of tin, is now worth 10%, per fathom, and is opening out wider. The ground in the west end on the south lode is altering, and is becoming more congenial for tin. Altogether, the progress and prospects of the mine are very satisfactory. GREAT SOUTH CHIVERTON.—The reports are as satisfactory as they have hitherto been. The mine is opening out both east and west in rich ore ground; and those who have been expecting a very profitable mine within a reasonable time are not likely to be disappointed.

LEAD MINING IN FILINTSHIEE.—THE MOLD MINES.—In former workings, when lead was of much less commercial value than at the account.

ground; and those who have been expecting a very profitable mine within a reasonable time are not likely to be disappointed.

LEAD MINING IN FLINTSHIRE—THE MOLD MINES.—In former workings, when lead was of much less commercial value than at the present time, the mines immediately adjacent to the town of Mold returned extraordinary sums to the fortunate possessors—the Halkyn Mine alone giving to the late Marquis of Westminster a profit of nearly 1,000,000, sterling. From the Minera Mines within the last if years a net profit of 466,2501, has been secured on a capital of only 45,0002, thus returning in dividends more than ten times the original cost, or at the rate of 60 per cent, per annum, and each 25, share realising at the present moment 1751. The Mold Mines are in close proximity to these and other equally remnnerative properties, and have for some time been steadily proscenting the creetion of first-rate machinery, the opening up and laying out of their works, all of which have been substantially accomplished with a view to permanency and the extensive development of their valuable resources. On the well-known Cat Hole lode, which has already returned dividends amounting to upwards of 400,0002, several important discoveries have been made; a very valuable yield of lead ore is now being secured, and Mr. Darlington, whose eminence as a practical miner is substantially recognised by his association as the manager of the ceiebrated Minera Mine, already alluded to, writes:—"I can, and I do affirm, that I see no reason to doubt that we shall again seen these (Mold) mines equal, if not excel, the past." Mr. Darlington's testimony is further confirmed by all competent miners who have visited the property, and the highest opinions have also been expressed by Messrs. Henry Beckett, F.G.S., of Wolverhampton; Edward Hull, of the Geological Survey of Great Britain; and by other eminent geologists who have personally inspecsed the mines. Nor is the process by which these gentlemen have formed their judgment either difficu

the sharenoiders but the promoters as well, and will greatly benefit the locality by inducing the public to work other concerns.—A SharkeHoldder, PRINCESS OF WALES.—A rich tin lode has been cut in this mine, and the gossan lode is expected to be cut daily, the mine promising to be one of the richest in the neighbourhood.

EXCELSIOR.—The lode in this mine has been cut through during the last week, in the cross-cut from the shaft, and is of a very satisfactory character, and gives promise of being very productive for tin. The recent discoveries at Kelly Bray, Hingston Down, Wheal Arthur, and Hawkmoor Mines, augur well for the Hingston district, a very small portion of which has really been mined, but which must, we think, now be brought into notice by the recent discoveries.

nt discoveries. BUDNICK CONSOLS.—They have brought a very fine engine from th tyon Great Consols, and hope to be soon in the market with large sales of tin

"THE MINING QUARTERLY."-Another edition of this periodical has just been issued, for although 9000 copies have already been dishas just been issued, for although 9000 copies have already been disposed of, the stock has become completely exhausted. Referring to the work, the Mining Journal of Sept. 11 says—"The August number of the useful little periodical bearing this title has just been issued, and is worthy of attentive reading by all interested in mining enterprise. The articles entitled—"Historical Sketch of the Origin and Progress of Mining, and 'History of Mining in Britain,' are really valuable contributions to mining literature. The article on the 'Origin and Formation of Metals' likewise displays considerable research, and will prove generally interesting. The business portion of the Quarterly is well arranged, and conveys a large amount of information as conclusive as possible."

LONDON GENERAL OMNIBUS COMPANY.—The traffic receipts for week ending Sept. 12 was 97691. 3s. 4d.

HOLLOWAY'S PILLS-LOW SPIRITS,-As autumn advances, more noticeway's files—Low Spirits.—As autumn advances, more particularly after an unusually changeable summer temperature, the feeble and agod especially suffer from a languid and imperfect state of the circulation, which even to the strong sometimes produces an unaccountable despondency. Holloway's Pills effectually dispoil the gloom by which nature foreshadows a warning of some serious malady. These wonderful pills act so certainly, safely, and rapidly on the digestive organs, that all depressing emotions gradually yield, the vital energy returns, and the frequent cause of fevers and other allments disappears. Holloway's Pills never can do any harm. To the delicate, sedentary, alling, and aged they are most strongly recommended as domestic aperients, as they contain no injurious ingredients.

AUSTRALASIAN GOLD.

AUSTRALASIAN GOLD.

The total quantity of gold received by Government escort at Sydney in the first six months of this year was 105,333 ozs., as compared with 107,792 ozs. at the corresponding period of 1862, and 99,264 ozs. in the corresponding period of 1867. The yield of gold has slightly increased this year in the western gold fields of New South Wales, but it has declined in the southern and northern fields of the colony. New sources of supply at Trunkey Creek are expected to add largely to the receipts for the remainder of the year. The slight falling off which is observable, upon the whole, in the yield of gold in New South Wales this year is attributed to the fact that drought in February and March caused many crushing machines in the western districts to stop work. The Trunkey Creek gold field lies in the west of ary and March caused many crushing machines in the western districts to stop work. The Trunkey Creek gold field lies in the west of the colony, about 35 miles from Bathurst, and 16 miles from Carcoar; the field consists of auriferous quartz reefs, in which the precious metal is very abundant. These reefs have been marked off for six miles, and it is believed that the field will prove the richest ever opened out in New South Wales. In the Mudgee district, in New South Wales, quartz is being crushed with encouraging results, about 2 ozs. per ton being obtained. There has also been a new rush to Nuggety Ridge, near Sofala, in New South Wales.

Favourable reports are made as to gold exploration at Jupiter Creek and Barossa, in South Australia; the development of the reefs at the Barossa field is, however, delayed by the want of adequate machinery. The prospects the new field at the Gilbert Ranges (Queensland) do not appear to be completely satisfactory, the ac-

machinery. The prospects the new field at the Gibert hange (Queensland) do not appear to be completely satisfactory, the accounts received being somewhat contradictory. The fields about Rockhampton (Queensland) appear to be yielding steadily, and sup-

port a considerable population.

A new rush is reported in Queensland to Goganja Creek. Mr. Goodall, one of the discoverers of the Tower Hill quartz reef in Tasmania, has obtained a 21 years' lease of 157 acres of the land on which the reef occurs; and he proposes, with the assistance of some Victorian capitalists, to test thoroughly the value of his discovery. Mr. T. G. Williams, the discoverer of a reef of auriferous quartz at Waterhouse, in Tasmania, had, at the last dates, 150 tons of quartz stacked, which were expected to yield from 4 ozs. to 6 ozs. to the ton. Great activity prevails on the Thames gold fields, in the northern island of New Zealand, and numerous companies for carrying on operations in these fields have been formed under the Mining Companies' Limited Liability Act. An extraordinary return of gold has been obtained from the Long Drive claim in the Thames fields; in one month dividends of 8t. per 5t. scrip were paid from this claim,

one month dividends of 84, per 54, sorip were paid from this claim, and within a few weeks the price of the scrip has risen from 54, to 504. The yield of gold from the claim in June amounted to 3600 ozs. His Royal Highness the Duke of Edinburgh and Lord Charles Beresford hold 50 shares in the claim, for which they paid 25004, or 504, per share; the dividend paid upon the 50 shares for June amounted to 4001, and a further dividend of about 64, per share was expected to be declared for July. The same rich leaders which have rendered to 4004, and a further dividend of about 62, per share was expected to be declared for July. The same rich leaders which have rendered the Long Drive claim so celebrated have been struck in the All Nations claim; Shotover claim has continued to keep up its name, and even stuff which had been previously neglected as rubbish has been yielding from 2 to 3 ozs. of gold to the ton at the Thames Crushing Company's battery. The richest quartz is, however, still being crushed at the Shotover battery. On the Golden Crown claim a large battery was being erected at the last dates.

The Homeward Bound, the Eureka, the Shamrock, the City of Glasgow, M'Isaac's, the John o' Groats, and a variety of other claims continue to yield extremely well, while there are yet again other

Glasgow, M'Isaac's, the John o' Groats, and a variety of other claims continue to yield extremely well, while there are yet again other claims which have at present been only so far developed as to show that they contain stones of wonderful richness. To thoroughly utilise, however, the Thames gold fields, extended facilities for crushing quartz must be provided, and it is satisfactory to note that the quantity of available crushing machinery is steadily increasing. The townships of Shortland and Graham's Town, created by the fields, are fast becoming large and populous. All the local banks have now opened agencies at Graham's Town, as well as at Shortland. In the province of Otago, New Zealand, the gold fields, which have been worked since 1861, appear to have increased in productibility of late; one claim near Alexandria has paid its shareholders 300L each from nine days' washing. Another dredge near the Manuherikia Junction is stated to have averaged 17 ozs. of gold per day for some time past. An attempt is about to be made to discover payable gold in the Dunstan Flat. On the whole, the yield of gold in New Zealand promises to present a considerable increase this year.

NEW ZEALAND GOLD .- The importance of the position acquired by New Zealand as a gold-producing quarter of the world will be in-ferred from the annexed statement, showing the value of the gold exports from the colony during the 10 years ending 1867, and the value of the aggregate imports of Australian gold into the United

may be anticipated, in consequence of the extraordinary quantity of gold obtained from the Thames field. But for the great development of New Zealand gold mining, the yield of Australasian gold would have materially fallen off.

AUSTRALIAN PEARLS.—Australian papers state that a number of fine pearls discovered at the fisheries carried on in the vicinity of Nicol Bay, Western Australia, have been exhibited in Melbourne. They are of great size and beauty, the most valuable among them resembling in shape and dimensions the eyeball of a large fish. is said to be worth upwards of 200%.

FOREIGN MINES.

DON PEDRO NORTH DEL REY.— Telegram: Produce for July, 793 olts.; weighed to Aug. 18, 4237 olts. Previous month, 14,077 olts.; first rision of next mouth, 4318 olts.; corresponding month last year, 15,111 olts.; to division of next mouth, 4380 olts.

first division of next month, 4458 oits.

JAVALI,—Advices from this mine, dated Aug. 8, have been received The expenditure has been 500%, and the remittance is 408½ ozs. of gold. The title-deeds of a large tract of valuable timber land, recently acquired by the company on very advantageous terms, had been duly received. The company's agent at Greyton, Mr. Hollenbeck, writes that an armistice has been agreed upon between the legitimate Government of Nicaragua and the rebels, by the intervention of San Salvador, and that Honduras and Costa Rica are also endeavouring to restore peace. The accounts are fully confirmed by advices from the Pacific side of the country.

IMPERIAL SILVER QUARRIES .-- Lewis Chalmers, Aug. 23: There

re 11 ft. of tunnel made last week.

VAL ANTIGORIA.—T. Roberts, Sept. 2: We distilled the amalgam

were 11 ft. of tunnel made last week.

VAL ANTIGORIA.—T. Roberts, Sept. 2: We distilled the amalgam obtained since the 5th of June yesterday, resulting in 1 ingot of gold, weighing 43 ozs. 10 dwts. 9 grs.; the same has been consigned for remittance to the office. This gold was obtained from 56 tons of ore, showing an average yield of 15 dwts. 13 grs. per ton. The stopes in the back of the 30, on No. 1 lode, yield 1½ ton per fathom, worth 16 dwts. per ton. We have stopped driving the adit end north, and have put the men to widen this level where necessary, to receive the winding-rope on to the incline shaft on No. 2 lode; this work will be carried out with all possible speed. The end driving north in the 20, on No. 2 lode, is poor at present; this month we intend to open a stope in the back, behind this end, where the lode yields 2 tons per f n., worth 15 dwts. per ton. The end driving north in the 50 yields good stof of oforo.

LUSITANIAN.—Sept. 7: Palhal Mine: In sinking the engine-shaft below the 130 the lode in the shaft is 6 ft. wide, composed of quartz and a branch of ore, worth 2 tons per fathom. The lode in No. 78, below the 120, west of Taylor's, on Basto's lode; the lode in the 130, east of Taylor's, is 5 ft. wide, composed of runners of country and quartz, and very wet. In the 130, west of Taylor's, the lode is worth ½ ton per fathom. In the 120, east of ditto, the lode is 4 ft. wide, composed of runners of country with loose quartz and stone of mundle. In the 120, west of Taylor's, its of liver shaft, the lode is 2 ft. wide, composed of quartz and country. The 110, west of Taylor's, is suspended. In the 28, west of cross-cut, on branch, the lode is 8 of Taylor's, is suspended. In the 128, west of cross-cut, on branch, the lode is 8 of Taylor's, is suspended. In the 18, west of cross-cut, west of Perez' shaft, the lode is 8 in. wide, composed of country. In the 28 cast the lode is 1½ ft. wide, composed of quartz and stone of the cross-cut, west of Perez' shaft, the lode is 8 in. wide, composed of coun

small stones of lead. In No. 10 rise, above the 40, east of Incline, the lode is worth 3 tons of lead and blende per fathom—the greater part is lead. In the 50, east of incline, on the great lode, the lode is 1½ ft. wide, composed of quartz, with stones of blende. The 50 cross-cur, south of ditto, is susponded. In the 40, east of incline, the lode is 5 to 6 ft. wide, composed of quartz and lead, worth 1 ton per fathom. In the 10 cast the lode is 1 ft. wide, composed of fbokan and a little quartz. In the 10 cast the lode is 2 ft. wide, composed of quartz. In the adit level, west of incline shaft, the lode is small. In the 10, west of ditto, the lode is 2½ ft. wide, composed of quartz, and cossain, with mundle—a very kindly lode. In the depath the lode is 1½ ft. wide, composed of quartz, flookan, and stones of mundle.

PESTARENA [INTER]—T. Roborts, J. Mitchell T. Wagner, W. die.

composed of quartz, and cossan, with mundie—a very kindly lode. In the deep adit the lode is 1½ ft. wide, composed of quartz, flookan, and stones of mundie.

PESTARENA UNITED.—T. Roberts, J. Mitchell, T. Warne: We distilled and smelted the amalgam obtained from the three districts for August yes erday, and to-day consigned the gold in nine ingots for remittance to the office, weighing 918 ozs. 7 dwts. 20 grs. This gold was obtained from 570 tons of ore: 179 tons, amalgamated at Pestarena, amalgamated at Battiglo, yielded 126 ozs. 9 dwts.; 28 tons from Caul Mine gave 10 ozs. 2 dwts. 23 grs.; and 581 tons from Yal Toppa Mine gave 82 ozs. 10 dwts. 13 grs.—Peschiera: The stopes in the bottom of the 75, north of shaft, yield 7 tons per fathom, worth 10 dwts. of gold per ton. The stopes in the bottom of the 75, north of shaft, yield 7 tons per fathom, worth 10 dwts. of gold per ton. The stopes in the bottom of the 70 yield 9 tons per fathom, worth 10 oz. per ton. The end driving north at the 70 is producing good stones of ore. The stopes in bottom of the 46 north, on No. 2 lode, yield 4 tons per fathom, worth 18 dwts. per ton; and the stopes in back of this level 3 tons, worth 17 dwts. per ton. During the past month we opened a new sink in the bottom of the 38, on No. 5 lode, and the present month we intend to stope south from this sink, where the lode yields 3 tons, worth 17 dwts. per ton. The stopes in the back of the 16 south yield 4 tons per fathom, worth 15 dwts. per ton. The boundary stopes yield 5 tons per fathom, worth 15 dwts. per ton. The boundary stopes yield 5 tons per fathom, worth 15 dwts. per ton. The boundary stopes yield 5 tons per fathom, worth 15 dwts. per ton. The boundary winze yields 4 tons per fathom, worth 15 dwts. per ton. The houndary winze yields 4 tons per fathom, worth 15 dwts. per ton. The north 1½ ton, worth 10 dwts. per ton. The north 10 ton boundary winze yields 4 tons per fathom, worth 10 dwts. per don boundary winze yields 4 tons per fathom, worth 10 dwts. per ton. The lode in the e

MINING, METALS, AND MINERALS-PATENT MATTERS. BY MICHAEL HENRY,

Patent Agent and Adviser, Memb. Soc. Arts, Assoc. Soc. Eng.

Mr. John Page, of Glasgow, has specified a patent relating to pipejoints and cement for the same, and also suitable for cementing other
articles, such as building materials. This invention has principally
for its object to obtain a simple, durable, strong, and inexpensive
joint for pipes, and in carrying it out improved cement is used, which
is also suitable for cementing other articles, such as building materials. This joint is more particularly, although not exclusively, suitplace for each iron pines, such as a reason and for conveying water or are able for cast-iron pipes, such as are used for conveying water or gas, and is such that turning and boring of the spigots and faucets may be dispensed with, or the two modes may be used in combination. De dispensed with, or the two modes may be used in combination. The pipes may be made with alternate spigot and faucet ends to joint into each other, or with both ends, as spigots, to be jointed by means of overlapping rings. The joint effectually prevents leakage, and also acts as a tie to prevent the pipe-lengths from being drawn or forced asunder. The cement is made by mixing with 300 parts by weight of Portland or other hydraulic cement about 100 parts of iron turnings or filings, or of any iron oxide reduced to powder, and about one part of ampronium chloride with about two parts of suphone one part of ammonium chloride with about two parts of sulphur. The ferruginous refuse of sulphur copper ores may be substituted for the iron turnings. The cement is made up with water, and sets rapidly after being rammed in, whilst it can be easily removed by a

pidly after being rammed in, whilst it can be easily removed by a chipping-tool when required.

Mr. THOMAS MORTLOCK, of Singleton-street, Hoxton, has obtained a patent for an invention relating to apparatus for levelling, furrowing, and dressing millstones. To carry out this invention a metal frame is employed, truly planed and faced on the under side, which, when the apparatus is in use, rests on the stone to be operated on, and is there kept in place by its own weight. On the frame a carriage is mounted, and it is capable of sliding along it on guides from end to end, a motion which is given to it by manual labour. The carriage has upon it a tool-holder, capable of being traversed across the carriage by a screw. In the tool-holder is fixed a tool, it may be a diamond or steel point or cutter, and as the carriage is moved along carriage by a screw. In the tool-holder is fixed a tool, it may be a diamond or steel point or cutter, and as the carriage is moved along the frame, the tool traces lines upon the face of the stone. The point or tool is set down to the depth required by a screw, and with the tool-holder it is moved a minute distance across the carriage before each forward traverse of the carriage; the motion is given by the screw of the carriage operated on by a self-acting ratchet and pawl. Thus it will be seen that at each action the cutter forms a minute and perfectly true groove on the stone, either on the face or in the fur-row, as the case may be, and these lines being repeated very closely together, and parallel the one to the other, the required level and roughened face is given to the stone, and the furrows are made and kept of the proper depth. When one quarter or part of the stone is complete, the frame is shifted on to the next quarter or part, which is similarly operated upon, and so the operation goes on until the ork on the stone is complete.

THE WORKS OF DEVON GREAT CONSOLS.—A thorough inspection of this extensive and important mine would require many days to accomplish. A mine, the sett of which is 4 miles across in one direction, and 2½ in another, which has 2½ miles of perpendicular shafts, for men and materials, 5½ miles of perpendiculor vinzes or rises for ventilation, 26½ miles of levels or underground passages, and 1 mile of flues in connection with the arsenic works; which descends to a depth of 1410 ft. below the surface, and is worked by 1100 men, women, and children; seven gigantic steam-engines, and 32 enormous water wheels, one of which ordinarily has the power of 120 horse—a mine like this, importing its timber and coals by the cargo, having its own steam saw-mill and steam-hammers, blacksmiths' shops, engineering and manufacturing establishments, cannot be visited without a vast amount of information as well as pleasure being derived. The processes for raising and sorting the ore, much of which is very beautiful, are interesting; but the most novel feature is the arsenle works, at which about 160 tons a month, half the production of the whole world, is produced. To walk around great mounds of arsenic in its raw state is curious enough, but to walk amoungst vast stacks of barrels of the deadily powder fully prepared, to taste the exhalations from the klins, to look into the glowing furnace, where the already white powder is exposed to a white best, and then to be assured that to swallow a tenth part of a teaspoonful of that which is so freely scattered around would kill the strongest man, is even more sensational than to look down a shafe 200 fathoms deep. It is consolatory to remember that arsenle has other uses than that for which it is notorlous, otherwise it would be ominous to see stacked enough to destroy the whole human family, if properly apportloued amongst its members. The red and yellow ochre works are a new development of the activity and resources of the milne. THE WORKS OF DEVON GREAT CONSOLS.—A thorough inspection

COPPER ORE OF LAKE SUPERIOR,-The Minnesotian has an ac-COPPER ORE OF LAKE SUPERIOR,—The Minnesotian has an account of Mr. Kames's discovery on the north shore of Lake Superior, at the foot of the Saw-too h Mountains, of grey copper ore, a metal never before discovered in any considerable vein in that country, most valuable as an aloy for gold and silver manufactures, and in this instance singularly pure from admixture with arsenic, iron, or zinc. The only impurity, so to speak, is silver, of which there is an amount equal in value to §16 or §18 per ton of ore. The voin varies from 46 to nearly 4 in. in thickness of ore. The ore yields 75 per cent. of pure metal, and its value in Europe is about §400 per ton.

A quicksilver mine, which was discovered near the town of Sara-wak (Borneo), in 1867, promises to prove one of the richest in the world.

The railways in the United States open to the end of 1868 were 43,000 miles in length, the cost of construction was 374,000,0001, or about 86981, per mile, and the gross revenue for the year amounted to 80,000,0001.

WATSON BROTHERS' MINING CIRCULAR.

WATSON BROTHERS,

MINING AGENTS, STOCK AND SHARE DEALERS, &c. 1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

MINING AGENTS, STOCK AND SHARE DEALERS, &c.

1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

MESSRS. WATSON BROTHERS return their most sincere thanks for the great patronage bestowed and confidence reposed in their firm for 25 years, and to assure their friends and cilents it will be their earnest endeavour to merit a continuance of both.

Messrs. WATSON BROTHERS have made arrangements for continuing their weekly Circular, which has had a large circulation for many years, to the columns of the Mining Journal, their special reports and remarks upon mines and unining, and state of the share market, will in future appear in this column. In the year 1843, when Cornish mining was almost unknown to the general public, attention was first called to its advantages, when properly conducted, in the "Compendium of British Mining," commenced in 1837, and published in 1843, by Mr. J.Y. WATSON, F.G.S., author of "Gleanings among Mines and Miners," "Records of Ancient Mining," "Cornish Notes" (first series, 1862), "Cornish Notes" (second series, 1863), "The Progress of Mining," with statistics of the Mining Interest, annually for 21 years, &c., &c. In the Compendium, published in 1843, by Mr. J.Y. WATSON Was the first to recommend the system of a "division of sinail risks in several mines, ensuring success in the aggregate," and Messrs. WATSON BROTHERS have always a selected list on hand. Perhaps at no former period in the annuals of mining has there been more peculiar need of honest and experienced advice in regard to mines and share dealing than there is at present; and, from the lengthened experience of Messrs. WATSON BROTHERS, they are emboldened to offer, thus publicly, their best services to all connected with mines or the market, as they have for so many years done privately, through the mediu n of their own Circular.

Messrs. WATSON BROTHERS transact business in the purchase and sale of mining shares, and other securities, payments of calls, receipt and transmission of dividends, obtaining information for cilents, and affo

as mining.

Messrs. WATSON BROTHERS having agents and correspondents in all the mining districts and an extensive connection among the largest holders of mining property, have the more confidence in tendering their advice on all matters relating to the state and prospects of mines and mining companies, and are able to supply shares in all the best mines at close market prices, free of all charge or commission.

ating to the state and prospects of mines and mining companies, and are able to supply shares in all the best mines at close market prices, free of all charge or commission.

SATURDAY,—Good demand for Crebor, Prince of Wales, Seton, West Chiverton, East Lovell, and West Maria. Hingston Down receded to 35s. sellors; Margaret, Providence, and Cook's Kitchen flatter. Crebor, 11s. to 13s.; Prince of Wales, 22s. to 24s.; Seton, 40 to 42%; West Chiverton, 52 to 54; Kast Lovell, 20 to 21; West Maria, 24s. to 26s.; Hingston Down, 30s. to 35s.; Margaret, 11½ to 12½; Providence, 40 to 42½; Cook's Kitchen, 13½ to 14½; Great Vor, 17½ to 18; West Frances, 50 to 52; Grenville, 50s. to 52s. 6d.; Frontino, 25s. to 27s.;; Now Lovell, 32s. 6d. to 35s.

Monday—Active demand for West Frances, Wheal Uny, East Gunnislake, Hingston Down, West Chiverton, East Lovell, and Chiverton. West Frances, 50 to 52; Uny, 4½ to 4½; East Gunnislake, 25s. to 30s.; Hingston Down, 35s. to 40s.; West Chiverton, 52 to 54; East Lovell, 20 to 21; Chiverton, 33½ to 33½; Great Laxey, 19 to 20; Stray Park, 8 to 9; West Prince of Wales, 2s. 6d. to 37s. 6d.; Wheal Agar, 2½ to 29; Eventual and Chiverton, 25c.; Crebor, 10s. to 12s. 6d.; Great Vor, 17½ to 18; New Lovell, 32s. 6d. to 37s. 6d.; Wheal Agar, 2½ to 23; East Caradon, 5 to 54; Chontales, 24s. to 26s.; Don Pedro, 4½, to 43; Yudanamutana, 1¾ to 1½.

TUESDAY.—Settling day, and very little doing, except a demand for Australian United at an advance. Australian United (6d)d.) 2½ to 23; West Chiverton, 52½ to 53½; West Frances, 50 to 52; Luy, 4¼ to 4½; 10; 13; To 18; Great Lovell, 20 to 21; Frontino, 25s. to 27s. 6d.; Chiverton, 35c. 6d. to 38s. 6d. to 58s. 6d.; South Herodsfoo., 25s. to 27s. 6d.; West Chiverton, 52 to 53; Crebor, 10s. to 12s. 6d.; South Herodsfoo., 25s. to 27s. 6d.; West Frances, 50 to 52; Great Vor, 17 to 18; Great Lovell, 20 to 21; Frontino, 25s. to 27s. 6d.; Chiverton, 52 to 53; Crebor, 10s. to 12s. 6d.; Rad-noor, 9s. to 11s.; Agar, 2½ to 2½; East Gunnislake, vest Chiverton, 52 to 53; Cre

Mining Gorrespondenge.

BRITISH MINES.

BRITISH MINES,

ABERDAUNANT.—J, Roberts, Sept. 16: I regret that the crusher has not got te work as soon as anticipated. This is attributable to the scarcity of masons, which operated against us in building the wheel-pit; but if the weather proves favourable I hope it may be set to work in about a fortnight or three weeks, and I expect to get the floors in readliness to commone dressing in about the same time. Our present points of operation are—Sinking a winze from open stopes to lovel below, ground favourable, lode producing I ton of lead per fm. Cutting through the lode in the 10 fm. level, to Rule's shaft; the course of lead has a westerly dip; the bottom of the level has considerably improved for lead for many fathoms in length. We are driving a level towards Rule's shaft, and continuing the level on the flookan course, leaving the lead standing until we have communicated with Rule's shaft, which we hope to do in a fortnight, when we shall be enabled to take down the slabs of lead all clean. We are also driving across the lode in the deep adit level, and so far we have gone through a beantiful lode, possessing all the ingredients that could be desired, and occasional stones of lead. We have every reason to believe that we shall meet good ribs of lead on the hard side, corresponding with the Van. I enclose plan of the workings, which will give a better idea to the proprietary.

BEDFORD UNITED.—James Phillips, Sept. 15: The stope west of shaft is 3½ ft. wide, worth 4 tons of ore per fathom. The lode in the winze in this level east, so as to report on it next week. The lode in the winze in this level east, so as to report on the next week. The lode in the winze in this level is producing 3 tons of ore per fathom. The lode in the 15 cast is 4 ft. wide, worth 7 tons of ore per fathom. The lode in the 16 cast is 4 ft. wide, worth 7 tons of ore per fathom. The winze in this level is producing 3 tons of ore per fathom, and the stopes on an average are worth 5 tons of driving on its course. As far as seen the lode

of ore per fathom. We are cutting through the lode in the 75 west, with a view of dirlving on its course. As far as seen the lode is composed of capel, spar, mundie, and stones of ore. We shall be able to report its size and character fully next week.

BRONFLOYD.—T. Kemp, Sept. 15: Our progress in sinking this shaft under the 73 has during the last fortnight been very slow indeed, owing to the very stiff character of the ground. The 73 end, west of the cross-cut, is still in a good tode, worth for the width of the level (4 feet) 2 tons of lead ore per fathom. The stope in the back of this level, east of the cross-cut, is worth 36 ewts. of lead ore per fathom. The 52 end, west of the cross-cut, is worth 30 ewts. of lead ore per fathom. The 52 end, west of the cross-cut, is worth only 10 cwts. of ore per fathom. The 52 end, west of the cross-cut, is worth only 10 cwts. of ore per fathom. The stope under the 52 is worth 2 tons of ore per cubic fathom. The stope under the 52 is worth 2 tons of ore per cubic fathom. The stope under the 52 is worth 2 tons of ore per cubic fathom. The stope west of the winze, in the back of the 52, is worth 1 ton per fathom. The part of the lode carried by the 40 fm. level is getting more settled.—No. 1 Shaft.—South Lode: The 26 end west, which is 15 fathoms from the shaft, carries alltitle ore, but having been closed so many years (about 20) is in a very bad state, and air must be got in before the level can be extended; our carpenter is, therefore, engaged in making air-pipes, and a machine to pump air into the workings. We shall on Monday sample 60 tons of lead ore, for sale on Sept. 28.

BUDNICK CONSOLS.—Henry Hill, Sept. 15: We have purchased stamps-axle, and get tasafely delivered on the mine, and also received the plan of the engine-house, stack, &c., from the engineer, and hope to have the engine on the mine in the course of a week or ton days, and no time shall be lost in the erection of the machinery, and preparing floors, &c., for dressing the tim.

CAPE CORN VALL.—Richard

wide, of a promising character, and containing a little ore; altogether a very kindly lode; this point is set to two men, at 75s. per fm. All surface operations are going on regularly, and we intend sampling about 23 tons of lead ore on Tuesday next.

CHANTICLEER.—Wm. Wasley. Sept. 16: We are making fair progress in driving the 120 yard level, west of the shaft, the lode in the end is about half a yard wide, and is producing some nice lumps of ore, and I hope when we get a few yards further on, under where we got the ore in the level above, that we shall have an improvement.

grad wide, and is producing some nice lumps of ore, and I hope when we get a few yards further on, under where we got the ore in the level above, that we shall have an improvement.

CHIVERTON MOOR.—George E. Tremayne, W. Bennetts, Sept. 14: The engine-shaft men are making satisfactory progress in cutting plat in the 95, preparatory to sinking below. In the 95 fathom level cross-cut, driving south towards the lode, the ground is still intermixed with branches of spar. The lode in the 85 west is 3 ft. wide, worth 21 cwts. of lead per fathom; and in this level, driving east of the shaft, the lode is 2½ feet wide, containing a little lead, and looking exceedingly promising for a further improvement. The stope in the back of the 85 west is worth 7 cwts. of lead per fathom. The lode in the 75 west is worth 21 cwts. of lead per fathom. The lode in the 75 west is worth 21 cwts. of lead per fathom. We have commenced a cross-cut in the 60 east to prove the ground. Clogg's shaft, sinking below the 40, is down 9 fathoms. The 40 fathom level cross-cut north we are pushing on vigorously, in a beautiful channel of ground. The parcel of lead (computed 35 tons) we weighed off and shipped on Saturday last—dry weight, 35 tons 6 cwts. 1 qr. We are getting on very satisfactorily with our dressing for the next sampling. DOLWEN.—John Davis, Sept. 16: The add tevel still continues in the south lode, which has much improved in character. Is letting out a great deal of water, and carries good strings of lead ore. It is useless, probable, to repeat our expectations of cutting the north or Tygwn lode by this adit, as all my calculations are affected by the lessened dip of the said north lode; however, we must intersect it ree long, as its run has been recently further proved by shallow cross-cut adit close to and within the Tygwyn boundary.

EAST CARN BREA.—I, Richards, Sept. 13: Thomas's engine-shaft is again in course of regular sinking below the 100 fathom level, by the sic's of the lode.—Thomas's Engine-Shaft, No. 3 Lode: In the 100 w

S4, west of King's, worth 91, and 77, per fathom. The back of the 84, west of King's, is worth 81, per fathom for tin. The 40 west is worth 81, per fathom for tin. A stope in bottom of the 74, west of Sieggan's, is worth 91, per fm. The 74 cross-cut, south of Sieggan's is in a hard bar of ground. The cross-cut south of Sieggan's is no hard bar of ground. The cross-cut south of Vivian's is very stiff and slow of progress; we have, therefore, suspended it for the present, till there is a lode of importance intersected in the cross-cut from Sieggan's shaft. In the meantime, the men are engaged driving west on the lode, towards the great cross-courso. The 74, east of Butler's, yields good stones of ore. A stope in the back of this level is worth 82, per fathom. We hope in a few days to open a communication with the bottom of the 64, which will give good ventilation. The bottom of the 74, cast of Butler's, is worth 74, per fathom. The stopes in the 64 east are worth 84, 84, and 71, per fathom, respectively. We sold last week tinstone to the amount of 3671. 18s. 6d.

GREAT RETALLACK.—G. R. Odgers, J. Harrls, Sopt. 16: No. I Lode: The lode in the 40, south from the engine-shaft, is 18 inches wide, of friable quartz, with good stones of load; from the character of the ground, &c., we have strong treason to hope for an improved lode here. The lode in the north end, in the same level, is 15 in. wide, also producing good stones of lead, but not to value. No. 2 shaft is sunk fully 9 fathoms below the 40, and the men for speed will shak it to the 50 before they take down the lode; when last taken down the lode contained good stones of silver-lead.

GREAT SOUTH CHIVERTON.—J. Nancarrow, Sept. 13: The 50 west looks better; there is a great deal of mundle coming in at the back of the 50 fm. level is likely soon to be into a good lode. The stope in the back of the 50 fm. level will silve yes on the 40, and expect to sink the ground through in about a week. The east rise above the 30, and expect to sink the ground through in abou

for the season of the control of the when no doubt a good load will be the result. The water is coming very freely from the control of the control o

Servey 16, 1860.]

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In the 82, driving east of shaft, the lode is worth for tin 42, per fathom.—Caunte Lode: In the 82, driving north of shaft, we have not as yet cut the lode to the east of the cross-course, but hope to do so in the coming week. In the 44, driv.

In the 82, driving east of shaft, the lode is worth for tin 44, per latinom.—Unanter Lode: In the 82, driving north of shaft, we have not as yet cut the lode to the cast of the cross-course, but hope to do so in the coming week. In the 44, driving east of cross-cut, the branch is poor.

WHEAL MARY FLORENCE.—William Johns, Wm. Verran, Sept. 11: The 55 has been driven west of Law's shaft for several fathoms, by the side of the lode, for dispatch; we have now cut into it, and it is very gratifying for us to say it is about 2½ ft. wide, containing abundance of mundle, mixed up with yellow copper ore—a very kindly-looking lode. We have now set the same to a pare of tributers, to strip it down as quickly as possible. The stope in the back of the 45, east of shaft, is worth full 2 tons of ore per fathom. Seeing what is already laid open in the 46, east of shaft, and as well in the 35 week, has induced us to resume the sinking of Law's shaft by a full pare of men, and when a deeper level is reached, by the indications shown, we have a right to expect good results. WHEAL UNY.—S. Coade, M. Rogers, Sept. 11: We beg to inform you the lode in the engine-shaft is of the same value, worth 331, per fathom. The lode in the 140, east of shaft, is worth 151, per fathom. The lode in the 140, east of shaft, is morth 181, per fathom. The lode in the haft, is worth 181, per fathom. The lode in Goodinge's shaft, sinking below the 110 fm. level, is improved, and now worth 201, per fathom. The ground in Hind's engine-shaft is harier, and a little water to draw, consequently we cannot sink fast; sunk about 28 fathoms from surface. The rise is still hard and spare for rising.

WHEAL BPARNON.—W. Tregay, Sept. 11: The lode in the 30, west of cross-

and spare for rising.
WHEAL SPARNON.—W. Tregay, Sept. 11: The lode in the 30, west of cross course, produces good stones of copper ore, and promises improvement.

THE TIN TRADE, AND ITS PROSPECTS. [FROM A CORRESPONDENT.]

The following figures may be of service to those who are interested in the future of tin. Facts speak for themselves. Stocks since March have increased 1600 tons. An increased stock means an over-supplied market. An over-supplied market must invariably result in declining prices. Speculation for the moment may check the legitimate course of trade, but the future of prices will, as ever, be regulated by the inevitable law of supply and demand. It remains to be seen if the operators who, struggling against facts from March till September, have signally failed to establish any advance in price will be strong enough or bold enough to absorb the 2000 tons of Banca to be sold in Holland on the 27th inst., and, if absorbed, whether they will be able to maintain their situation till the spring of next year, when the Trading Company will probably have from 5000 to 6000 tons of tin for sale. They certainly must not expect assistance from consumers, who for the past six months, having been fully supplied from Cornwall, have altogether retired from the foreign market.

Stock.* Price.†

eign market.	Stock.*	Price.
January 1, 1869	Tons 8059	 £110
February 1	7660	
March 1	7486	 . 126
April 1	7882	 . 135
May 1	8123	 . 132
June 1	***** 8559	 . 135
July 1	***** 8403	 . 130
August 1	8983	 . 132
Sentember 1	0100	101

Banca, Straits, and Billiton floating and warehoused.
 Quoted value of Straits in London.

SOUTH FRANCES AND WEST BASSET BOUNDARY DISPUTE-(From a Correspondent.)—It is scarcely fair that the South Frances committee should speak in their report of their defensive position, and no doubt every shareholder in West Basset will think such a misand no doubt every shareholder in West Basset will think such a misstatement ought not to be allowed to go uncontradicted before the public. They may deceive their own shareholders as much as they please, that is their affair; but the West Basset shareholders may well take notice of it. The "ten years lawsuit" (it is eleven) has arisen from the South Frances adventurers having appealed against the verdict (given by the jury in favour of West Basset) in order to set it aside; and it is West Basset who has been defending their position or verdict. They have succeeded in setting aside the verdict, but it remains to be proved whether or not they will "take anything by their motion." Shrewd suspicions are entertained that they will gain a loss, and that a pretty heavy one; and serve them right, for they were entreated, before one shilling was spont in law, not to make it a legal question, and were forwarned of the consequences of doing so, which predictions have been fulfilled to the letter.

CHONTALES.—In addition to the advices which appear in another column, it should be mentioned Mr. Belt states that the result of the column, it should be mentioned Mr. Belt states that the result of the working of the mines points to this conclusion—that the average of the ore will yield a profit, and that had it not been for the revolution and the floods, the return of gold for July would have amounted to nearly 600 ozs., leaving a profit of between 300% and 40%, upon the month's operations. The latest news from the interior is that an armistice for 15 days has been arranged, and that the Honduras Government has signified its willingness to assist, if necessary, the Government of Nicaragua in quelling the disturbance. The Honduras Minister in this country has stated that the advices he has received tend to show that the outbreak will prove to be of an unimportant character. Owing to the abstraction of native labour from the mines, consequent upon this disturbance, the remittance is only 282 ozs. Mr. Belt expressed great regret that at the moment he had brought the mines to be worked profitably this unfortunate crisis should occur.

GOLD MINING IN BRAZIL.—The Don Pedro telegram from Lisbon informed the directors that the produce for July amounted to 15,793 oits., and that for the first division of August the amount weighed was 4237 oits.

FRONTINO AND BOLIVIA .- As will be seen by the advices which appear elsewhere, the operations at these mines continuing to show a gradual increase of profit. The produce for June amounts to 719 ozs. of gold, which is the largest yet made, leaving a net profit of 345*l*, for the month. In June, 1868, the produce was 420 ozs., the loss being 500*l*. It should be observed that the profit of 345*l*, has been realised in face of the drought at Remedias. It is upon these grounds that the manager of the mines states that "in a comparatively short time the company will certainly obtain a satisfactory and success time the company will certainly obtain a satisfactory and successively increasing interest on its capital invested."

THE VAN MINING-DISTRICT.—At the Van United Mines operations were commenced yesterday, the celebrated Van lode being that to which attention has first been directed; and from the indications presented, together with the general character of the undertaking, it is considered that there is every probability of its soon becoming a very valuable property. The mine is to the west of the Van, the geological and mineralogical characteristics of the two mines being identical, and as an ample capital (25,000%, in shares of 5% each) has been fixed, and as the same lodes pass through the entire length of the Van United sett, it is confidently expected that similar results of the Van United sett, it is confidently expected that similar results will be realised. The sett is held for 21 years, at 1-14th royalty, and the mine has been very favourably reported upon by Capts. J. H. Hitchins and F. Evans. Large dividends are now paid by the lead mines of Wales, and with regard to the Van United, it is thought that few enterprises offer more profitable employment for capital.

VIRTUOUS LADY MINE.—This mine gives further evidence of improvement every day, and the number of shareholders has largely increased, a great number of the shares placed in the hands of Mr. Barnard, the secretary, to dispose of at 1*L* premium per share, having been well piaced. The mine, which is situated about three miles south-west of Tavistock, is held from Sir Massey Lopes, at 1-18th dues, for 21 years, and has the advantage of abundant available water power, as the rivers Walkham and Tavy pass through the sett. A careful general mineral analysis, by Dr. Phipson, has shown the note to consist of a combination of corrections. sett. A careful general mineral annlysis, by Dr. Phipson, has shown the ore to consist of a combination of copper, silver, lead, tin, antimony, cobalt, nickel, iron, zinc, and sulphur, but copper is the only metal which occurs in paying quantities. Both Dr. Phipson and Mr. Richards have found strong traces of gold in the ore, and it is thought not to be at all unlikely that the rich deposits of quartz in the old workings may contain both gold and silver, not visible to the eye, but rich enough to yield a profit upon pulverisation and proper treatment. A letter from Mr. Barnard appears in another column.

THE SLATE QUARRIES OF CORNWALL,-Mr. Robert Hunt estimates the annual production of the slate quarries at Delabole, near Camelford, at about 17,050 tons a year, which, at say 24, 10s. a ton, would realise over 42,000l. annually. The Devonshire slate quarries he estimates to produce 15,000 tons a year, value say 37,000l. a year. Most of the Cornish slab is shipped either at Boscastle or Port Gayern in Endelling. With the Journal of this week a SUPPLEMENTAL SHEET is given, which contains—Original Correspondence: Heaton Process of Converting Cast-Iron (Sir F. C. Knowles); South Staffordshire and Shropshire Coal Fields, No. XV. (J. Randall); Coal-Cutting Machinery; Colliery Working, and Explosions, No. III.; Fowler's Clip-Drum and Pulley; Progress of Coal Mining in the Rhondda Valley, North Wales (M. B. Gardner); the Mahovos; Mining in Ireland; Proposed Abolition of Patents (R. A. Macfie); Patents or no Patents, No. I. (F. W. Campin); Prospects of Copper Mining (A. Bennett); Investments in Mines (C. Thomas); Facts of the Sand and Gravel Formations of the South of the Isle of Wight Basin (F. Coxworthy); Mineral Wealth of Portugal (E. H. Davis—Napthaline Colours—Reviews: Colorado, its Resources and Prospects (W. Blackmore); Gold Mining in New Zealand (Capt. F. W. Hutton); the Capitalist's Guide (E. J. Bartlett); the Mining Atlas (T. Spargo); F. Windhausen's New Mode of Ventilating Mines (illustrated)—Foreign Mining and Metallurgy—Foreign Mine Reports, &c. With the Journal of this week a SUPPLEMENTAL SHEET is given,

The Mining Market; Pnices of Metals, Ores, &c.

METAL MARKET-LONDON, SEPT. 17, 1869.

	COPPER. £ s. d. £ s. d.	IRON. Per ton.
	Best selectedp. ton 76 0 0- 77 0 0	Bars Welsh, in London 6 17 6-
	Tough cake and tile 74 0 0- 75 0 0	Ditto, to arrive 6 15 0-
١	Sheathing & sheets. 78 0 0- 79 0 0	Nail rods 7 2 6- 7 5
	Bolts 78 0 0	Staffd, in London 7 10 0-8 0
d	Bottoms 81 0 0- 83 0 0	Bars ditto 7 7 6-8 0
	Old (Exchange) 65 0 0	Hoops ditto 8 0 0- 9 15
1	Burra Burra 77 0 0	Sheets, single 9 0 0-11 0
ı	Wireper lb. 0 1 0 - 0 1 01/2	Pig No. 1, in Wales 3 15 0-4 5
1	Tubes 0 0 11½- 1 0	Refined metal, ditto. 4 0 0-5 0
١	BRASS. Per lb.	Bars, common ditto., 6 0 0-6 5
	Sheetsper lb. 9d	Do. mrch. Tyne or Tees 6 10 0
ı	97/400 01/4 01/4	Do., railway, in Wales 7 5 0- 7 10
1	Tubes , 10½d11½d.	Do., Swed. in London. 9 17 6-10 0
ı		To arrive 10 0 0
	Yellow Metal Sheath.p. lb. 7d	Pig, No. 1, in Clyde 2 13 3-3 1
1	Sheets ,, 634d	Do. f.o.b. Tyne or Tees 2 9 6
ı	SPELTER. Per ton.	Do. Nos. 3,4,f.o.b. do. 2 6 6-2 7
۱	Foreign on the spot£20 10 0	Railway chairs 5 10 0- 5 15
١		" spikes11 0 0-12 0
1	" to arrive 20 10 0- —	Indian Charcoal Pigs,
١	ZINO.	in London, p. ton 6 0 0- 6 10
1	In sheets £26 0 0-26 10 0	
١	TIN.	STEEL. Per ton.
ı	English blocks126 0 0	Swed., in kegs(rolled)
ı	Do., bars (in barrels)127 0 0	, (hammered) 14 15 0-15 5
ı	Do., refined	Ditto, in faggots 15 15 0-16 0
1	Banca135 0 0	English, spring 19 0 0-23 0
1	Straits£131 0 0-131 10 0	QUICKSILVER (p. bottle) 6 17 0
ı	TIN-PLATES.* Per box.	LEAD. Per ton.
ı	IC Charcoal, 1st qua. 1 8 0- 1 10 0	English Pig, com19 0 0
1	IX Ditto, 1st quality 1 14 0- 1 16 0	Ditto, LB
١	IC Ditto, 2d quality 1 6 0- 1 8 0	Ditto, WB20 5 0
1	IX Ditto, 2d quality., 1 12 0- 1 14 0	Ditto, sheet19 10 0
1	IC Coke 1 3 0-1 4 6	Ditto, red lead20 0 0-20 10 0
١	IX Ditto 1 9 0- 1 10 6	Ditto, white27 0 0-30 0 0
J	Canadaplates, p.ton 13 10 0	Ditto, patent shot 22 10 0
١	Ditto, at works 12 10 0	Spanish
١	* At the works, 1s. to	

*At the works, 1s. to 1s. 6d, per box less.

REMARKS,—It can hardly be said that any movement has taken place in the Metal Market during the past week, and it still continues in a very quiet condition, business remaining without any degree of animation. Still matters are certainly not worse than they were, but, if anything, a trifling better, and we are, therefore, encouraged to hope that as the autumn advances a more satisfactory business in metals will take place, and the market arise from the inanimate condition in which it has remained for some weeks, and become once more active and lively. A few orders have come to hand from India during the week, and we trust they will prove an earnest of more extended arrivals ere long, and that we may be enabled soon to record the return of something like our former activity with that important part of the empire. There has been rather more disposition to enter into speculative operations in one particular metal during the last fortnight, but it appears now to have subsided, and the price of the article has since rather declined. Generally prices have altered very little during the week, although most metals are tolerably firm at the quotations. It is satisfactory to find that the health of the Emperor Napoleon has become decidedly better, and that he has been enabled to preside at a Council of Ministers, and it is reported that he has now completely resumed his ordinary occupations. We sincerely trust this improvement in health may be permanent, and that he health on my long continue to rule over that great nation, for which he cerely trust this improvement in health may be permanent, and that he may long continue to rule over that great nation, for which he appears so eminently qualified. The disagreement between Spain and the United States with regard to the recognition by the latter of the Cuban insurgents appears to be becoming rather serious, but as it is not a matter in which this country is in any way concerned, it will not have any effect upon our commercial affairs, whichever way the dispute may take.

will not have any effect upon our commercial affairs, whichever way the dispute may take.

COPPER.—The market for this metal has remained quiet during the week, and transactions have been only limited; prices, however, have continued firm, and there is no disposition on the part of sellers to make any concessions. Chili bar is now quoted 674. 10s. to 684. cash, and ore 13s. 6d. per unit.

IRON.—In Staffordshire there is no general change in the demand for manufactured iron. There are not specifications in hand which will suffice to keep the rolls turning for many weeks, except at a few of the works for rails, and it is not unlikely that the trade may be rather quieter after the close of the present quarter. Prices are no better, and there is a great deal of underselling. The delegates of the ironworkers have decided to invite all the men to memorialise their employers for an advance of 1s. per ton for puddling and 10 per cent. for millmen. As yet it does not seem that the movement has gained a very general adhesion. In Welsh the trade continues to be characterised by a considerable degree of vitality after the close of the Baltic navigation season. Last month the exports reached 20,099 tons. There are still contracts on the books for some thousands of tons for both Russia and the United States. The continental enquiry is my proving. Home requirements show but little change, the demand for rails has slightly increased, while the recent movement in plates is fully maintained. In Swedish iron the enquiry is only limited. In Scotch pig-iron a considerable business has been done in warrants during the week, and a steady improvement has taken place in price, the last prices received from Glasgow being 53s. 44d. cash, and during the week, and a steady improvement has taken place in price, the last prices received from Glasgow being 53s. 4\daggedd. cash, and 53s. 7\daggeddd. one month.

LEAD .- A fair business continues to be done, and prices have un-

dergone no change.

TIN.—English is in good demand at the recent advance. In Straits very little business has been done during the week, and the price has rather given way, the quotation being 1314, to 1314, 10s, cash. It is not very likely much activity will prevail until after the Dutch sale.

SPELTER still remains in an inactive condition, the price for parcels on the spot continuing nominally at 201, 10s. the spot continuing nominally at 201, 10s.

TIN-PLATES.—The trade is gradually attaining a more healthy po-sition, although prices are still far from remunerative. Stocks have been so materially reduced that higher quotations are shortly expected. STEEL and QUICKSILVER without change.

THE COPPER TRADE.—Messrs. Pitcairn-Campbell and Co. (Liverpool, Sept. 15)—Advice of further heavy charters for the fortnight ending Aug. 2 and large arrivals have caused depression since our last, and the price of bar copper has receded 10s. to 20s. per ton. There is, however, no pressure to sell, and furnace stuff has been in fair demand at 13s. 6d. Business transacted during the fortnight comprises on the spot here 590 tons bars, at 67l. 5s. to 63l. 10s.; 15 tons ingots, at 73l. 10s.; and 580 tons barilia, at 13s. 6d. To arrive here—341 tons bars, at 68l. 15s. to 76l. On the spot, Swansea, 50 tons bars, at 68l. 10s.; 373 tons ore, and 124d tons regulus, at 13s. 6d.: total, about 1900 tons fine copper. Quotations are 67l. 10s. to 68l. for bars; 72l. 10s. for Urmeneta ingots; and 13s. 6d. for ores and regulus. Arrivals here during the fortnight from West Coast, S.A.:—Scatoller, from Valparaiso, 70 tons bars; Maravilla, from Arica, 10 tons ore and 136 tons barilla; Foxhound, from Pan de Azucan, 454 tons regulus; San Carlos, from Lota, 498 tons bars and 160 tons ingots; Cilifton, from Carrisal, 477 tons regulus; River Avon, from Carrizal, 467 tons regulus and 17 tons bars; Santiago, from Sarco, 90 tons ore and 454 tons regulus; Marquis of Worcester, from Carrizal, 280 tons ore and 640 tons regulus; Hawkeye, from Caldera, 540 tons regulus and 73 tons bars; Professor Airey, from Valparaiso, 44 tons ore, 250 tons bars, and 296 tons ingots; Cornwall, from Charal, 648 tons ore, 4 tons regulus, and 204 tons bars; Fairy, from Carrizal, 589 tons regulus; John, from Pan de Asucan, 100 tons ore, and 600 tons regulus; Glanrafon, from Coquimbo, from Carrisal, 200 tons ore, and 600 tons regulus; Glanrafon, from Coquimbo, 10s of the control of the

Total 3603 7701 10,036 1607 342

Representing about 16,100 tons fine copper, against 8900 tons Sept. 15, 1868; against 9700 tons Sept. 15, 1867; against 8800 tons Sept. 15, 1868. The actual exports of copper from West Coast S.A., in the first six months of this year (say) up to June 30 amount to 32,554 tons fine copper; against 18,060 in 1868; against 22,187 in 1867; against 23,596 tons in 1866. Of this, 53-29 per cent. are in bars, 35-86 per cent. in regulus, 10-85 per cent. in ores; in 1867, 69-71 per cent. in bars, 33-97 per cent. in regulus, 5-36 per cent. in ores; in 1866, 39-61 per cent. in bars, 40-81 per cent. in regulus, 19-68 per cont. in ores.

Messrs. Vivian, Vounger, and Bond (Sept. 17) write—There has

Messrs. Vivian, Younger, and Bond (Sept. 17) write—There has been almost a dearth of business in this metal, the views of buyers and sellers being too wide apart to admit of transactions being carried through, unless in exceptional cases. Some best brands Chili bars changed hand at 684, cash, and other sorts were done at 671, 15s.; perhaps the total business may have been 300 tons. Fine foreign copper has been nearly neglected. In English the smeiters have booked orders at 781, for manufactured, but the demand is slight. A few small lots of ores and regulus have been done at 13s, 6d.

Messrs. Henry Rogers, Sons, and Co.—The advices of further heavy shipments from Chill, received the beginning of the month, had a depressing effect upon copper, bars failing from 10s, to 20s. A few buyers appeared at 67l, 10s., and some little business was done; holders now ask 68l, but do not find a market. The smelters dropped their price of sheets 10s., but failed to take any large amount of orders at this reduction; the price in India having failen 4l. per ton, orders from that quarter are scarce. English raw copper and fine Australian appear to be entirely neglected.

Messrs. James and Shakspeare—Since our last a good amount of Chill slab has been sold at 671, 10s, for ordinary, and at 681. For select brands, which latter is now the lowest demanded by holders for any description, and the market appears firm at this figure; there are large orders out at 671, 16s, which cannot be placed. Several parcels of ore and regulus have been placed in the present week at 13s, 6d.; there is now but a limited quantity on sale, and holders are asking 13s. 9d. English sorts are in fair request, and prices steady,

the present week at 13s, 6d.; there is now but a limited quantity on sale, and holders are asking 13s. 9d. English sorts are in fair request, and prices steady.

THE TIN TRADE.—Messrs. Mitchell and Phillips—The deliveries of tin during August, out of stock here and in Holland, have been most satisfactory, over 800 tons of all sorts, showing that consumers have been willing to enter the market at present prices. On Sept. 8 the Dutch Trading Company announced their usual autumn sale to consist of 45,200 slabs Banca tin and 1100 slabs Billiton tin, reserving to themselves the right to add a further quantity of Banca (estimated at 16,000 slabs) should the same arrive in Holland before Sept. 27. In the autumn sale of 1868 the quantity brought forward amounted to 89,500 slabs. It will thus be observed that, should (wind and weather permitting) the whole additional quantity arrive in time, the present auction will amount to only two-thirds of that of last year. But looking at the dates of saling of the various vessels expected from Batavia, it remains to be seen whether this reserved quantity be not largely overestimated. The immediate effect of this announcement was the revival of the bear operations of certain parties in Holland, who, not satisfied with having already sold over 25,000 slabs out of next sale, say one-half of the quantity in sale, re-commenced to sell at 77½ fit. or 7f fi., or about 2 fi. below the price on the spot. Our London market remained whoily unaffected, operators here being fully alive to the fact that we shall require during the next six months from 30,000 to 40,000 slabs Banca to fill up the deficiency of our supplies of Straits; 77 fi., equal to about 132, delivered in London, being much lower than present quotations in Penang and Singapore, where owing to the enormous demand for India and China, Straits tin cannot be bought under \$32 and \$33, equal to 1331, to 1361, in London. According to the last telegraphic advices from these ports, added the end of August, prices of this ablangable an

Tons 8490

for coke for the Indian and North American markets within a fortnight.—75, Old Broad-street, Sept. 18.

CHEMICALS, MINERALS, AND METALS—J. Berger Spence and Co.'s Report.—CHEMICALS: In the past week there have been increased enquiries for chemicals for shipment, and producers, more especially amongst the soda manufacturers, are disinclined to contract at present prices for delivery later than the close of the year.—Soda: Soda ash is in considerable export demand at 7t. 5s. to 7t. 10s. Caustic soda is firm, at 13s. 6d. to 13s. 9d. In Crystals and Saltcako there is a steady business at last quotations.—Nitrate of Soda: Is easier at 16s. to 16s. 6d. on the spot, and 14s. 9d. to arrive.—Potash: There is a steadily increasing demand for Murlates at 7t. 7s. 6d. to 7t. 10s. for 50 per cent. at outports.—Saltpetre: Dull at 22s. 6d. to 23s. 9d., and refined at 27s.—Alum: Is being shipped in large quantities for foreign markets at 7t. to 7t. 5s. in barrels. Home trade quiet at 6t. 5s. for loose lump, and 7t. for ground.—Ammonia: Sulphate scarce, 16s. 3d. to 16s. 6d. for 23 per cent., and 12s. 9d. for lower quality.—Coppetas: An increasing demand for dry at 50s., and green 52s.—Pyrites: An average business at 74s. to 8d. per unit for Spanish; German in request at 25s. 6d. for 3s. for 5s. per cent.—Manganese: Is somewhat dull at 9s. for 7o per cent.—Martas: The past has been rather a quiet week in the Metal Market, and prices have in a few instances given way.—Iron: Societo pigs have been rather fluctuating, and are now selling at 5ss. to 5s. do. 5s. do. to helps that we have been rather a quiet week in the Metal Market, and prices have in a few instances given way.—Iron: Societo pigs have been rather fluctuating, and are now selling at 5ss. to 5ss. do. to help rather, and prices at 2ss. for 6sp. to 4ss. for No. 1; Wolsh and Stadfordshire bars unchanged; gas tubes at 6b to 70 per cent.—Mineral fluctuating, and are now selling at 5ss. to 5ss. do. to help rather, and prices at tought lingot being 7st. to 7st. Chill slab, 6st

The settlement of the fortnightly account occupied the chief attention of the dealers on the MINING SHARE MARKET during the early part of the week, and since that time a moderate amount of business has been transacted, but not to the extent we had to notice ousness has been transacted, but not to the extent we had to notice in our last. The chief business has been in West Chiverton, West Frances, Wheal Uny, Redmoor, Wheal Chiverton, East Lovell, Hingston Down, South Carn Brea, New Lovell, Chontales, Chiverton Moor, Bedford United, East Gunnislake and South Bedford, Wheal Kitty, Prince of Wales, West Maria and Fortescue, West Prince of Wales, East Seton, and a few others. West Chiverton shares continue firm at 52 to 54; West Frances shares have been in good demand at 49 to 51; West Maria and Fortescue shares also in request at 30s. to 32s. 6d. at 30s, to 32s, 6d,

Redmoor shares have been in good demand at 10s. to 12s.; the mine has been specially inspected, and the report is of a very favourable character. The 25 end has been extended 20 fathoms west, with a fine lode 4 feet wide the whole way; present end worth 25l. to 30l. per fathom. A stope in the bottom, put in to ascertain the value of the lode, made it worth 37l. per fathom. We explained some months ago that Holmbush engine would drain Redmoor, and enable this part of the mine to be worked, and the water is now drained 20 fms. below this discovery in the 25. By the small water-wheel and stamps on the mine tin sufficient to meet expenses can be returned as soon as there is water; and by increasing the stamping power, which can easily be done by removing a steam-engine from another part of the mine, profit may be made

south Carn Brea shares have been in good demand, at 15s. to 20s.; about 10 tons of tin will be sold this month. Wheal Grenville, 50s. to 52s. 6d.; the lode in the 100 east is worth 15l. to 20l. per fathom; there is no change in the 90 fathom level cross-out east. East Grenville, 3\frac{3}{4} to 4; the 55 fathom level east is not so large; the lode is worth 1\frac{1}{4} to 2 tons per fathom. Australian United, 2\frac{1}{4} to 2\frac{1}{4}; Bedford Consols, 2\frac{3}{4} to 3; Bedford United, 32s, 6d, to 37s, 6d.; Caldbeck ford Consols, 2\frac{2}{4} to 3; Bedford United, 32\frac{2}{3}, 6\frac{1}{3}, to 37\frac{3}{3}, 6\frac{1}{3}; Chilverton Moor, 3\frac{1}{4} to 4; Cook's Kitchen, 13\frac{1}{4} to 14. Chontales shares declined 10s, per share, and leave off 12\frac{1}{3}, 6\frac{1}{3}, to 17\frac{3}{3}, 6\frac{1}{3}; the advices, under date Aug. 5, state that civil war had broken out in Nicaraguas, and dispersed the natives from the mines, consequently the remittance of gold is only 282 ozs.; but for this circumstance the remittance would have been 600 ozs., with a good profit.

Mr. Belt expresses great regret that at the moment he had brought the mines to a profit ble street of weaking this restrict the profit of the street of weaking this restrict the profit of the street of the the mines to a profitable state of working this war should break

out; we can only hope, therefore, that it will soon end, and the mines be in full operation again. Don Pedro North del Rey, 4½ to 4½; the advices give a produce for July of 15,793 oits. Devon Great Consols, 150 to 160. Ding Dong, 22 to 23; at the meeting a dividend of 30s. per share was declared. Dolcoath, 125 to 130; East Caradon, 5 to 5½; East Gunnislake and South Bedford, 27s. 6d. to 32s. 6d.; East Lovell, 20 to 21. East Pool, 7 to 7½; the dividend declared was 3s., 3d. per share. East Seton, 2½ to 3; Frank Mills, 3½ to 3½; Frontino and Bolivia, 24s. to 26s.; General Brazilian, 17s. to 18s. Great Laxey, 18½ to 19½; at the meeting a dividend of 10s. per share was declared. Great Rock, 8 to 9; Great Wheal Vor, 17½ to 18; Herodsfoot, 43 to 45; Hingston Down shares have not been so firm, and leave off 35s. to 40s.; Marke Valley, 8½ to 8½; Mineral Bottom, 2½ to 3; New Lovell, 30s. to 35s.; New Seton, 45 to 50; Bronfloyd, 3½ to 4½; Hammett, 20s. to 25s.; Okel Tor, 9s. to 11s.; Prince of Wales, 22s. to 24s.; Princess of Wales, ½ to ½; Frovidence Mines, 39 to 41; Rosewall Hill and Ransom, 10s. to 15s.; South Condurrow, 25s. to 30s.; South Herodsfoot, 24s. to 26s.; Spearne Moor, 19 to 20; Stray Park, 8 to 9; Tincroft, 16½ to 17½; Trumpet Consols, 22 to 23; West Prince of Wales, 2s. 6d. to 5s.; West Seton, 180 to 190; Wheal Agar, 2 to 2½; Wheal Basset, 50 to 55; Wheal Chiverton, 3½ to 3½; Wheal Crebor, 10s. to 12s. 6d.; Wheal Jane, 44 to 46; Wheal Kitty (Edant), 7 to 8; Wheal Kitty (St. Agnes), 5 to 5½; Wheal Mary Ann, 16 to 17; Wheal Seton, 35 to 40; Wheal Uny, 4½ to 4½; Yudanamutana, 35s. to 40s.

The Market for Mining Shares on the Stock Exchange has been quiet, and prices have not varied much from those current last week. In a few cases, however, there has been a marked tendency to improve ment, while, on the other hand, some descriptions have been excep-In a few cases, however, there has been a marked tendency to improvement, while, on the other hand, some descriptions have been exceptionally heavy. Chontales shares have declined to 15s., 17s. 6d. each, on the unsettled state of the country, and the small remittance of gold. The advices are otherwise considered satisfactory. But for the outbreak there would have been about 600 czs. of gold, which would have left a fair profit on the month's operation. It is to be hoped that as an armistice has been arranged the dispute may soon terminate. The Frontino advices, which were delayed in transmission, may be pronounced very good. They report that, notwithstanding the continued drought at Remedios, there is the largest monthly produce ever yet received from the mine, and shows a net profit of 350% on the month's operations. The following are the closing quotations:—Chontales, ½ to ½; Frontino and Bolivia, 24s. to 26s.; Taquaril shares in demand, at 2s. 6d. to 3s. prem.; Don Pedro North del Rey, flat, 3½ to 3½ prem.; St. John del Rey, 17½ to 17½; Anglo-Argentine, 1-16th dis. to 1-16th prem.; Anglo-Brazilian, 3-16ths to 1-16th dis.; General Brazilian, 3s. 6d. to 4s. 6d.; Rossa Grande, par to ½ prem.; Yudanamuta, 1½ to 2; Pestarena, 1½ to 1½. In British descriptions there is nothing special to note. Van shares are in strong demand; the ever-improving prospects of this mine are a source of great encouragement, and have, beyond doubt, been a great cause of the present attention which is being bestowed upon mining enterprises generally, especially of the better kind. The late rains have supplied the means of dressing, which have been so much desired; 200 tons of lead ore have been sold during the week, and in the coming month a larger quantity may be expected; they close 35 to 37. East Caradon, 5 to 5½; West Caradon, 6½ to 7½; Marke Valley, 8½ to 8½; West Chiverton, 52½ to 53½; Chiverton, 3½ to 3½; Chiverton Moor, 2½ to 3; Prince of Wales, 21s. to 23s; Great Vor, 17½ to 18; Great Laxey, 18½ to 19; East Seton, 2½ to 2½; Hin

The PEN'ALLT SILVER LEAD MINING COMPANY, with a capital of 40,000%, divided into 20,000 shares, is in course of formation, for the purpose of developing a mineral property in Carnarvonshire. The sett, which is extensive, contains four visible lodes, running parallel with the mountain; they are embedded in a most favourable stratum of clay-slate, or killas, and a large cross-course runs nearly north and south. Capt. Thomas Glanville (late manager of North Basset), who has inspected the mine, describes in his report the characteristics of the different lodes, stating that the most expeditious and economic mode of working the property would be to open upon No. I lode east. By so doing the cross-course would be quickly intersected, and a cross-cut could then be continued north on the cross-course to the remaining lodes. By this correction the helds agained on the lodes would be cut could then be continued north on the cross-course to the remaining lodes. By this operation the backs gained on the lodes would be from 100 to 200 fathoms, incurring only a small outlay, and without the aid of machinery. It appears that a large stream of water runs through the sett, which can be made available for all dressing and other purposes. Since Captain Glanville inspected the property the No. 1 lode, about 100 fathoms above the valley, which has been intersected by means of a cross-out, has proved to be 30 feet wide. Looking at the masterly lodes, their position, indications, and the character of the stratum in which they are embedded, Capt. Glanville states that be has never in his experience seen more favourable chances and prospects of a property opening out a valuable mine. and prospects of a property opening out a valuable mine.

The HAREWOOD CONSOLS MINE is about to be worked by a costcompany, divided into 6000 shares, which will be issued at 4s. hare. The sett is held from the Prince of Wales on most liberal per share. The sett is held from the Prince of Wales on most liberal terms, including 1-20th dues; it adjoins on the south Gawton and Okel Tor; on the west, Wheal Arthur, Prince of Wales, and Hingston Down; and on the north, Devon Great Consols, Bedford United, and Wheal Russell. The property is advantageously situated, on the Tamar, for the carriage of material and shipment of ore, so that little or no land carriage will be required. The mine has been inspected by Captains Joseph Mitchell, John Goldsworthy, and John Truscott, all of whom report very favourably upon the prospects of the undertaking. Capt. Mitchell remarks that the advantages for the shipment of ore are such as are rarely to be met with, and that seeing from the bearing of some of the lodes east of the river that they must intersect each other somewhere in this sett, he fully bethey must intersect each other somewhere in this sett, he fully be-lieves it to be a good piece of mining property. Capt. Goldsworthy recommends Harewood Consols as a sound investment. And Capt. John Truscott says they will require steam-power to work the mine effectually, but if this be resorted to he believes they will have a very valuable property. The company's prospectus will be found in another column, and it will be seen that the committee of management is to be phesen at the first meeting of the shareholders. ment is to be chosen at the first meeting of the shareholders.

Another Welsh lead mine, of undoubted richness, is announced to take its place amongst the successful enterprises in the Principality, the prospectus of which will be found in another column. The old Nant Mine, in the neighbourhood of the Minera and other mines, lying between Ruthin and Wrexham, east and west, and Mold and Llangollen, north and south, is well known to all the old miners in that part of the country, as having produced profits exceeding 1,000,000%, and still possessing very large deposits of lead, which we may presume will not be much longer suffered to remain unworked, now that mining enterprise is exhibiting such activity in the vicinity. now that mining enterprise is exhibiting such activity in the victory. The LLANARMON LEAD MINING COMPANY has been fortunate enough to obtain, at a very moderate price, a sett of upwards of a mile in length, through which the great Nant lode extends, with side lodes, length, through which the great Nant lode extends, with side lodes, believed to be equally rich, and—towards the eastern boundary—one of those large and rich "flats," which are found in that part of the country, approaching the coal-measures. With immediate returns of lead, which will go far towards defraying the cost of extending the workings in the new ground, a large capital becomes unnecessary, and the company prudently limits it to 20,000*l*, believing that only a portion of that will be ample for the purchase of the mines and machinery, and for opening out new ground and carry-ing on the old workings, until large and profitable returns are made; and the reports of Capt. John Nancarrow, and other practical men, embodied in the prospectus, seem to fully justify the expectation.

A prospectus of the TREVARRACK UNITED MINING COMPANY ap pears in this day's Journal, which deserves attention. The object is to purchase and work a mining property in a part of Cornwall very famous for its mines. The mine has been already sunk upon a valuable tin lode—one well known as having in no case failed. In this The object is In this instance there is a large heap of tinstuff at surface, attesting the quality of its resources. The parish of Lelant, in which the mine is situated, has a reputation for its mineral resources which few neighbourhoods can boast. The present proprietor finding the cost of working too much for an individual, offers the property to a company. The most experienced mining captains in the neighbourhood have testified to the productive character of the property, and the excellent quality of the yield. Wheal Margaret, Wheal Kitty, and Trencrom—all ex-

cellent mines, derive their riches from the same metallic deposit-They all adjoin it, and Trencrom levels are driven close to the boundary of the sett. Wheal Reeth and Wheal Mary lodes, and the Providence north and south lode, are a few fathoms east of the present shaft. As it is upon progressive mines that the true interest of mining rests, we hope that the promoters of this company will receive the support which so justifiable and promising an enterprise merits.

At Ding Dong Mine meeting, on Tuesday, the accounts of Mr. R. Wellington, the purser, showed that in the quarter ending June 49 tons 8 o qrs. 9 lbs. of tin had been sold, at an average of 741, 1s. 6d. a ton, m: 36521, 2s. The profit on the quarter was 9141, 8s. A dividend of 9841, (30, share) was declared, and a balance carried forward of 1521, 17s. 146.

At Great Laxey Mining Company board meeting, on Monday, the directors declared the usual quarterly dividend of 10s. per share.

At East Pool Mine meeting, on Monday, the accounts for June and aly showed a profit of 10411, 9s. 8d. A dividend of 10401, (3s. 3d. per share) was clared. The agents' report is among the Mining Correspondence.

At Brookwood Mine meeting, on Sept. 7 (Mr. Matthew Robins in the chair), the accounts for the four months ending May showed a debit balance of 3931. 18s, 5d. A call of 5s, per share was made. Capt. Thomas Trevillion reported upon the various points of operation. They are in a good position to look forward for regular working without being in any way affected by a dry season. Their engine will completely master all the water for the whole run of mines.

of mines.

At the East New Wheal Lovell meeting, on Wednesday (Mr. Peter Watson in the chair), the accounts showed a debt balance of 226L 14s. 6d. A all of 3s. per share was made, which it was explained would clear off the bance, and provide for the ensuing three months' working. Details will be ound in another column.

found in another column.

At the Bradda Mining Company meeting, on Sept. 9 (Mr. G. W.)

Dumbell in the chair), the directors' report stated that up to February the ore
sold was \$251, 18s. 9d.; in the six months ending August, 9561.5s. The stock in
hand had equally increased, being valued, in February, at \$8501. and in August
at 14051, 14s. 3d. Captain Richard Barkell reported very favourably upon the
position and prospects of the mine. The machinery is all in good working order,
and the number of hands employed on the mine is 66. The accounts showed a
credit balance of 18461. 10s. 2d. The Chairman having explained a dispute that
had arisen with reference to a sale of ore, the meeting unanimously approved
the course adopted by the directors. Thanks to the Chairman and to Captain
Barkell terminated the proceedings.

At Winter's Freehold Company meeting, at Ballarat, Australia, on

At Winter's Freehold Company meeting, at Ballarat, Australia, on July 8 (Mr. Robert Lewis In the chair), the reports of the directors, mining manager, and the engineer, were read, which were of a satisfactory character. The accounts showed a credit balance of 48144, 38. 4d. It appears that at first no wages-book was kept, and the pay-sheets have been lost. As to the company's liability in the matter of Mr. Seal's expenses in the Ogiersuit, the legal manager read the indemnity clause, and said that whatever was done was by advice of the company's solicitors, but Mr. Faulkes held that the clause did not involve the present company.

At the North Wheal Chiverton Mine meeting, to be held on Wednesday, the profit and loss account for three months ending June will show a loss of 6104, 6s. 7d. The cash account made up to July 31 shows a credit balance of 4384. 19s. 5d. The cash account made up to July 31, 3241, 10s. During the three months the ground sunk and driven through has been 21¾ fathoms. A special meeting will also be held, to determine whether a call shall be made for continuing the working of the mine, or otherwise to wind-up the affairs of the company.

COAL MARKET.—The stormy weather has checked the progress of COAL MARKET.—The stormy weather has checked the progress of the laden ships, and the arrivals this week have only amounted to 43, principally screw steamers. This short supply had the effect of raising prices of both house and Hartley coals fully 1s, per ton, at which a complete clearance was effected. Haswell Wallsend, 19s, 3d.; Hetton Lyons Wallsend, 17s.; Tunstall Wallsend, 17s.; West Hart-ley, 15s. 6d. Unsold, viil; 100 ships at sea.

The IMPERIAL OTTOMAN MINING COMPANY have given notice that he share certificates can now be exchanged for the bankers' receipts.

MANUFACTURE OF STEEL.—In the conversion of cast-iron into steel or wrought-iron, by the use of an alkaline bisulphate to act upon the molten metal, Mr. G. F. ANSELL, of Bernard-street, Russell-square, proposes to place the salt at the bottom of a converting chamber, and between thin plates of cast-iron, or recesses formed in the chamber.

COLLIERY TOP MANAGER.

COLLIERY TOP MANAGER.

WANTED, at a LARGE COLLIERY in YORKSHIRE, a GENERAL TOP MANAGER, whose duties will be (under one of the partners) generally to SUPERINTEND the SURFACE WORKS and ARRANGE-MENTS, as well as to give ATTENTION TO and CONDUCT the COMMERCIAL DEPARTMENT in the absence of the principal. He must, therefore, be a good correspondent, besides possessing a fair knowledge of the coal trade generally, the management of workpeople, the value of stores and materials, and all other matters incidental to colliery operations. The colliery is connected with two main lines of rallway, leading to all parts of the kingdom, as well as to a river communicating with Hull, Goole, and Grimsby. It is requested that no one will answer this advertisement but those who can furnish the best testimonials as to experience and ability in this particular business, in addition to the most satisfactory assurances as to honesty and general character.

Applications to be made in own handwriting, giving references and particulars of former engagement; also stating age and yearly salary required, to Box C 56, Pot Office, Leeds.

A MINING ENGINEER and SURVEYOR, who has had a PRACTICAL KNOWLEDGE OF HIS PROFESSION, and also of ASSAYING, is OPEN TO AN ENGAGEMENT AS COLLIERY MANAGER. Would treat for a partnership in an engineer's office or collery. Apply, by letter only, No. 12, MINING JOURNAL Office, 26, Fiect-street, E.C.

MINING CAPTAIN WANTED.

A RESIDENT MINING CAPTAIN WANTED.

A RESIDENT MINING CAPTAIN IS REQUIRED by the Directors of the Oilio CROWN LEAD AND SILVER MINING COMPANY (LIMITED). None need apply except those who are thoroughly conversant with Mining Operations in all its details.

STERMARY, Eaq., Derby-square, Doughas, Isle of Man.

AN EXPERIENCED MINE AGENT, who has had the MANAGEMENT of MINES at HOME and ABROAD, is OPEN to ar ENGAGEMENT. Has had great experience in all mining matters, and well up in the knowledge and cost of work. First-class testimonials as to ability and

to "M. R.," MINING JOURNAL Office, 26, Fleet-street, London, E.C.

COPPER AGENCY, &c.

GENTLEMAN, connected for many years with the Copper of ACCEPTING AGENCIES for the SALE of THIS as well as OTHER APOLE AND A CORPTING AGENCIES FOR THE SALE OF THIS AS WELL AND ADDITIONAL ADDITIONA Apply, by letter in the first instance, to "Copper," care of Messrs. W. H. mith and Son, Union-street, Birmingham.

A GERMAN GENTLEMAN, thoroughly acquainted with the FOREIGN IRON TRADE, through an experience acquired during a six years' connection with a large North Country Export Firm, WANTS a RESPONSIBLE POSITION, as PARTINER Or MANAGER, in a business suiting his experience. Prefers offers by Manufacturers desirous of taking up the Foreign Trade. Knows most European languages. Travelled frequently in Russia and Germany. First-class references. Some capital.

Address, "K. L.," MINING JOURNAL Office, 26, Fleet-street, London, E.C.

TO PROMOTERS OF PUBLIC COMPANIES. &c.

THE ADVERTISES holds a VALUABLE TRACT of MINERAL LAND, including MINES containing SEVENTY PER CENT. COPPER, and TEN PER CENT. GOLD. He wishes to MEET with RESPECTABLE PARTIES to FORM a COMPANY. The property is situate near a sea ort, and a railway is just being completed in the district.

For particulars, address, "South America," MINING JOURNAL Office, 26, Fleet-street, London, E.C.

TO COALMASTERS AND IRONMASTERS. TO BE SOLD, OR LET ON ROYALTY, the MINE of COAL under about FIFTY ACRES of LAND adjoining a railway.

For particulars, apply to Mr. G. DAVIDSON, Mawley, Cledbury Mortimer, Salop.

FOR SALE, for £2000, ONE-FOURTH in a FIRST-CLASS LEAD and COPPER SETT. Mundic can be seen in masses cropping to the surface; 5 tons have been raised aircady from a hole 4 feet deep; large specks of lead are to be seen in the spar and mundic; three lodes passing through the sett, two of which will intersect in 10 fms. deep. The mundic can be sold in any quantities for 20s. per ton. Two years grant from May last, with the usual condition for a lease of 25 years at 1-22d royalty; position unrivalled. An addit can be driven to intersect the lodes at 56 fms. deep.

Application to R. J. Box, Post Office, Bristol. [Specimens can be seen at the MINING JOURNAL Office, No. 26, Fleet-street, London, E.C.]

RHENISH PRUSSIA.

SEVERAL VALUABLE MINES FOR SALE,—LEAD COPPER, BLENDE, and IRON. The Mining Laws of Prussia give with the concession to work, an absolute right of property in the mine for ever, subject only to a royalty of 2 per cent.

Apply to Mr. Younghusband, 61/4, Wilhelm Strasse, Bonn-on-the-Rhine.

MPERIAL OTTOMAN MINING COMPANY (LIMITED.
TO SHAREHOLDERS.
Notice is hereby given, that the SHARE CERTIFICATES are NOW READY, and may be OBTAINED in EXCHANGE for the BANKER'S RECEIPTS at the COMPANY'S OFFICES.
By order, C. W. CARPENTER, Sec.
9, King's Arms-yard, Moorgato-street, E.C., Sept. 17, 1869.

ESTABLISHED 1859

MESSRS. 8 H A R P C O ... AND

33, POULTRY, LONDON, E.C.,
Are ALWAYS in a POSITION to BUY and SELL STOCKS and SHARES of every marketable description at the closest market prices, net.

TO CAPITALISTS AND INTENDING INVESTORS,-DIVIDENDS 71/4 to 26 PER CENT. PER ANNUM.

The following shares are SPECIALLY RECOMMENDED, and may be cafe investments. They are well worth attention at the present time at Present

It is IMPOSSIBLE to advertise a list of MINING SHARES, and OFFER them for sale at FIXED PRICES, when markets fluctuate daily.

Messrs. SHARP and Co. have SPECIAL BUSINESS in the following shares:— Van.
Bronfloyd.
Van Consols.

Wheal Jane.

Trumpet Consols.

GREAT ROCK MINE (LIMITED), in 3000 shares of £5 each, £4 paid.

This is a valuable property, and promises to become very rich. Shares are in demand, and firm, and will, no doubt, go to £12 or £15 in a short time. We believe it will prove a lasting dividend mine, and shares gradually rise to £20 or £30 each. Intending investors can see magnificent rocks of solid lead, and obtain the most reliable information at our offices. Shareholders should beware of false reports from certain parties, who, for the sake of getting business, make most untruthful statements, and strongly advise a sale.

most untruthful statements, and strongly advise a sale.

BRONFLOYD MINE (LIMITED), in 12,000 shares of £1 5s. each, £1 paid.
Shares continue very firm, and in demand. This is one of the richest mines
in Wales, and open to the inspection of anyone wishing to purchase an interest.
(An order to inspect can be obtained from us upon application.) It is an established dividend-paying property. Dividends "witt." increase, and we believe within a year shareholders will be in receipt of 2s. per share quarterly (12s. yearly). Shares will also rise in value. The reserves may be estimated worth £40,000. We can give the most reliable information respecting this property, and we recommend the immediate purchase of shares at £4 to £4 5s. per share.
Mr. Sharp thoroughly inspected this mine underground on the 10th uit., and can speak from facts.

Specimens from the various levels can be seen, and the most reliable information obtained at our offices.

MESSIRS. SHARP AND CO. STOCK AND SHARPENALADO.

MESSRS. SHARP AND CO., STOCK AND SHAREDEALERS, 33, POULTRY, LONDON, E.C.

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SAFE PROFITABLE INVESTMENTS. DIVIDENDS TEN TO TWENTY PER CENT.-

(The September Number now ready.)
Read SHARP'S INVESTMENT CIRCULAR. (Post free.)

It contains all the best paying and safest Stock and Share investments, and is a safe and reliable Guide for Investors. CAPITALISTS, SHAREHOLDERS, TRUSTEES, INVESTORS,

Requiring valuable and reliable information, and seeking safe, sound, and pro-fitable investments, should consuit the above Circular.

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MR. E. J. BARTLETT, STOCK AND SHAREDEALER, No. 30, GREAT ST. HELEN'S, LONDON, E.C.

T N V E S T M E N T S I N L E A D M I N E S.—
AMOUNT in the last ten years, and are likely to continue to increase. Some of
the young lead mines will probably become profitable, and rise greatly in value
in a short time. Full particulars, with a MAP of the Cardiganshire and Montgomeryshire districts (including Van, Dyliffe, Plyntimmon, East Darren, South
Darren, Lisburne, Cwmystwith, Cefn Brwyno, and other mines), can be obtained
rice is.) on application to J. H. Murchtison, Esq., No. 8, Authriftlars, Lonon, E.C.

EAST WHEAL LOVELL MINE.—FOR SALE, FIFTY three months from this date. £2 per share to be deposited by both parties. Apply to Mr. Burdox, 184, Leadenhall-street, London, E.C.

TO CAPITALISTS.

CAPITALISTS.

CAPT. KESSELL (for many years resident in ITALY) will RETURN to LONDON about the 20th of September. Can give information relative to many Italian Mines. Has several VALUABLE MINERAL PROPERTIES TO DISPOSE OF.

All letters to be addressed Capt. K., Mining Journal Office, 26, Ficet-street, London, E.C.

ROYAL SCHOOL OF MINES.

Director -- Sir RODERICK IMPEY MURCHISON, Bart., K.C.B., F.R.S., &c.

During the NINETEENTH SESSION, 1869-70, which will commence on the 4th of October, the following COURSES of LECTURES and PRACTICAL DE-MONSTRATIONS will be given:—

LEAD ORES

Date.	Mines.		on	8.	1	Price	per	rt	ou.	Purchasers.
Sept. 9-	-Stiperstones	*******	80			£12	7	0		Sims, Willyams, & Co.
	Powell Unite									
										Stock and Co.
							10	6		Burry Port Company.
	ditto						8	0		Sims, Willyams, & Co.
_	Graigcoch	*******	28		••	11	8	0		ditto
-	East Darren		75		• •	15	18	6		Stock and Co.
_	Goginan		45			16	12	6		ditto
****	Cwm Erfin .	*******	20			15	7			
-	ditto .	*******	20			15	7			Panther Lead Co.
16-	Whitewell .	*******	35			12	3			Peter Glover.
-	-Van	********	200			13	1			Walker, Parker, & Co.

BLENDE

BLACK TIN. Date. Mines. Ts. c. q. lbs. Price p. ton. Amount. Purchasers Sept. 11—Penhalis 15 2 3 4 ..£78 0 0 ..£1180 17 3—

COPPER ORE.

COPPER ORES.

NO SALE on Thursday last.

Copper ores for sale at the Royal Hotel, Truro, on Thursday next—Mines and parcels.—Devon Consols 1847—Marke Vailey 484—Okel Tor 300—Maria and Fortesue 230—Wheat Crelake 227—East. Caradon 218—Bedford United 150—Gunnis Lake (Clitters) 129—Kelly Bray 120—Frince of Wales 103—Wheal Friendahlp 82—Devon and Cornwail 42—Fursdon 31—Wheal Mary Florence 20—Belstone 15,—Total, 3508 tons.

The Hanewood Consols Mine, CALSTOCK, CORNWALL.

TO BE WORKED ON THE COST-BOOK SYSTEM,

AND TO BE DIVIDED INTO 6000 SHARES, WHICH WILL BE ISSUED AT FOUR SHILLING PER SHARE.

COMMITTEE OF MANAGEMENT TO BE CHOSEN AT THE FIRST MEETING OF THE SHAREHOLDERS. BANKERS-DEVON AND CORNWALL BANKING COMPANY, TAVISTOCK.

MANAGING AGENT—Capt. THOMAS NEILL.
SECRETARY (pro tem.)—MR. W. S. PEARSE, Watts'-road, Tavistock.

SECRETARY (pro tem.)—MR. W. S.

The sett of this mine has been granted by His Royal Highness the Prince of Wales on most liberal terms, including 1-20th dues. The sett is situated in a well-known mineralised district, and is about 700 fms. on the course of the lodes, and about 600 fms. wide; and is traversed by four well-defined east and west masterly copper lodes, and three cross-courses, the westerly cross-course being the famous one that passes through the Devon Great Consols, Old Gunnislake, and other paying mines. The copper lodes that have been discovered in connection with this cross-course proved very productive, vast deposits of copper ore having been discovered in the lodes.

The sett adjoins—on the south, Gawton Copper and Okel Tor Mines; on the west, Wheal Arthur, Prince of Wales, and Hingston Down Mines; and on the north, Devon Great Consols, Bedford United, and Wheal Russell Mines.

The situation of the mine is unrivalled, as it adjoins the River Tamar for upwards of a mile in length, thus affording every facility for the carriage of materials and the shipment of ore, thereby effecting a considerable saving in carriage, as little or no land carriage will be required.

The sett is immediately surround .d by several mines which have returned large quantities of copper ore, and this sett is so peculiarly situated—being a tongue or pan of land—that the numerous lodes that pass through and adjoining the sett will form junctions on this property; con-equently, it may be more than reasonably expected that great deposits of ore will be found.

The proprietors of the mine earnestly desire persons who may be desirous of securing an interest in it to inspect the workings and the limits before doing so, as they are assured from the rich appearance of the lodes that are open, and the nature of the ground generally, that there is every probability of its becoming a good and productive

that there is every probability of its becoming a good and productive

Copies of reports on the mine and its prospects can be obtained on pplication to the Secretary, Upland Villa, Watts'-road, Tavistock,

Shares, at 4s. each, can be obtained on applications to the Bankers; or to Mr. James Pearce, Tavy Iron Works, Tavistock; Captain Thomas Neill, Calstock; or the Secretary.

The Planarmon Lead Mining Company

NEAR MOLD, NORTH WALES.

CAPITAL £20,000, IN 10,000 SHARES OF £2 EACH.

Deposit of £1 per share on application, and £1 on allotment.

DIRECTORS

Hon, GEORGE ROBERT GIFFORD, Rackenford, North Devon. JAMES H. BRAUND, Esq., Plumstead Common. HENRY MILFORD, Esq., Clifford's Inn, Chancery-lane. WILLIAM CARPENTER, Esq., Euston-square.

BANKERS-THE ALLIANCE BANK. JOINT SECRETARIES-WILLIAM BARTLETT and HENRY CHAPMAN.

CONSULTING ENGINEER-Capt, JOHN NANCARROW. MANAGER OF THE MINE-Capt. AARON EDE.

offices,-no. 36, cornhill, london, e.c.

ABRIDGED PROSPECTUS.

This company has been formed to purchase and work the eastern opening, and the rich deposits you may safely calculate upon at the part of the old Nant Mine, and the Mynydd Ddu Mine, both on the intersections from the east shaft." same lode.

The district in which the mines are situated is of a highly mine-The district in which the mines are situated is of a highly mineralised character, and comprises the celebrated mines Belgrave, Maes-y-Safn, Bryngwyn, Hendre-ucha, Gwern-y-mynystd, and two or three others, adjoining this sett, and which returned profits amounting to about £210,000, when lead was as low as £6 or £7 per ton, it now being £12 or £13. It is in the immediate neighbourhood, too, of Pant Ddu, the Old Jamica, Pwll-y-wheel, and Minera Miner, the last mentioned of which has made profits of £18,000 per quarter, upon a capital of £45,000, and has paid dividends amounting to £466,200, with a present market value of £326,000, its £25 shares selling at £170. The old Nant Mine, adjoining the Llanarmon, and the great lode of which runs through it, made profits of more than £1,000,000. lode of which runs through it, made profits of more than £1,000,000, and the old miners in the neighbourhood are all impressed with a conviction that the Lianarmon will prove as rich as that was. It is in the eastern margin of the carboniferous limestone, overlaid by the

the eastern margin of the carboniferous limestone, overlaid by the grit-rock and well-known flat measures skirting the coal formation, and shows unmistakeable evidence of vast mineral deposits. The main lode is from 5 to 8, and in some parts 14 ft. wide, and is pronounced to be one of the most valuable lodes in the whole district. The sett, which is upwards of a mile in length, is held, for the greater part, under lease from the Marquis of Westminster, the dues being only 15s, per ton of lead ore. A provisional agreement has been entered into for the purchase of the property, including buildings, railroads, steam-engines, and other machinery, and all materials and effects, as described in Captain John Naucarrow's report, for the sum of £5000; and so sanguine are the vendors of success, that they have agreed to accept £3000 in paid-up shares, in part payment of their claim.

The eastern portion of the property, known as Mynydd Ddu, comprises a long line of virgin ground on the lode, approaching the borders of the coal formation; and a shaft has been sunk for a few fathoms, and the most competent judges believe that it will in a few more fathoms go down into one of those rich "flats" of lead that are common to the locality.

Mr. GIARDINELLI KIRKMAN, an eminent civil and mining engineer, who made a special inspection of the sett, says:—"In the Brammock sump and No. 1 winze, below the 65 fm. level, the workings are upon a very strong lode, producing fine lend; but they have been carried on at a great disadvantage, inasmuch as the ore has to be filled and tipped three several times before coming to grass. As the lode is becoming more compact and richer in depth, I should recommend that the 92 be driven cast about 50 fms.; and that, simultaneously, the No. 1 sump should be sunk a further depth of 13 fms., which would bring it on the back of the 92 fm. level. The greater portion of this sinking would be in ore ground; but continue sinking the Brammock sump in the lode to the same level, and thus you will obtain good ventilation, which at present is defective. Thus driving and sinking, should the lode only continue its present character, the produce would nearly meet the cost, and about 600 fms. of ore ground be opened up for stoping. With this, push on the new shaft to about 8 fms. deeper; put out a cross-cut about 20 fms. north, to intersect the main lode; ditto, about 10 fms, south, to intersect the "Who-can-tell" lode, at which level we may safely calculate upon very productive lodes; and, as all round this district the workings have established the fact, that upon the coal measures coming in on Mr. GIARDINELLI KIRKMAN, an eminent civil and mining there exhabished the fact, that upon the coal measures coming in on the course of the lodes, rich deposits of lead are thrown down in horizontal beds of considerable thickness and great purity, you can continue driving west, to connect this portion with the old mine at your leasure. A magnificent run of maiden ground would thus be opened that would, I am confiden, be highly productive for many years. By adopting this course, you would, in my opinion, have a very valuable property, which you will see, by the annexed approximate estimate, would all be acquired out of the returns, so soon as communication is made at the two points indicated between the communication is made at the two points indicated between the communication is made at the two points indicated between the workings; and the present condition of the mines, and the reports made by competent authorities on their immediate prospects, justify the directors in anticipating the realisation of early without taking into consideration the very valuable ground you are

intersections from the east shaft."

Capt, JOHN NANCARROW, who has just made a very careful inspection of the sett, says—"The large lode has yielded immense quantities of lead, and given large profits, for a considerable extent, to the westward. The engine-shaft is sunk to the 65 fm. level, and a course of ore came in, 90 fms. west of the engine-shaft, dipped east-ward, and was, in the 47, 130 fms. long. The east shaft is 125 fms. east of the engine-shaft, and is sunk to the 92 fm. level. The 32 is driven east of this shaft 85 fms.; the 65, 132 fms.; and the 92 about 70 fms. The course of ore continued from the engine-shaft, eastward, was, in the 65 fm, level, for a considerable distance nearly flat, and lasted in that level 110 fms. east of the shaft, the last 60 fms. being very good. It is worked in some places several fathoms below the very good. It is worked in some places several fathoms below the level, and is good going down. The lode in the eastern winze, below the 65, will yield 1½ ton of lead per fathom. It is 18 fms, below the level. The 92 is driven up within a few fathoms of this winze, and there appears to be a great body of ore to the east of it, as seen in the upper levels, and which dips fast to the eastward; and, as the best deposits of lead in the neighbourhood are found under the shale best it is likely that in desire, the 92 each year, valuable ground will best deposits of lead in the neighbourhood are found under the shale beds, it is likely that in driving the 22 cast very valuable ground will be opened up. There is good ore ground said to be gone down between the engine and the cast shafts, and the driving of the 92 cast is likely soon to get into this also. There is another important point, 1 mile cast of any workings on the lode, where a large flat is known to exist, which, in the Vownog, Mount Pleasant, and other mines adjoining, has given profits amounting to about £80,000. A shaft here is sunk 23 fms. towards this flat, and in two or three months' sinking is expected to reach it. There is on the mine a great quantity of machinery and materials, including three steam-engines for pumping, winding, and stamping, with five boilers, 150 fms. of pitwork underground, pitwork at surface, 300 fms. of railroad, and a great deal of other iron, weigh-bridge, winces, chain on steam-whims, horse-whims, kibbles, blocks, &c. There are also offices, shops, smiths' and miners' tools, lead-house, and dressing-floors ready for working, which, with the available work done, may be valued at upwards of £5000. The lode is at least 6 feet wide, and is one of the finest and strongest in the neighbourhood; and in driving the ends eastward towards the in the neighbourhood; and in driving the ends eastward towards the coal measures great deposits of lead will, in all probability, be met with, for no lede worked in the district has failed to do well under similar circumstances. But, as I have shown, this mine has in itself all the elements of a great and profitable one, and there is no room to doubt of its being a great success."

Captain AARON EDE, who is familiar with the country, writes:

"The Old Nant Mine, the lode of which runs through this sett, returned profits exceeding £13,000 per annum, although lead was so low in price. The important piece of ground, east of the old shaft, and known as Mynydd Ddu, or Black Mountain, is comparatively speaking, virgin ground. All old miners in the neighbourhood are sanguine as to its richness, and, judging from analogy and the indications thereon, there is no doubt that vast deposits of lead will be met with by the intersections from the new shaft east, which is now down 23 fms., and requires sinking 8 or 10 fms, deeper, and then cross-cuts 23 fms., and requires sinking 8 or 10 fms. deeper, and then cross-cuts driven north and south, to intersect the lode so highly productive in the old mine, when there is no doubt of having a large and profitable mine in this portion of the property. There are excellent roads, machinery, and everything that can be desired for carrying on operations on this valuable sett. I know it well, and consider its merits of no ordinary character. I confidently believe enormous metallic wealth will be obtained."

To raise the necessary funds for the purchase and working of the property, it is proposed to have a nominal capital of £20,000, divided into 10,000 shares of £2 each, £1 to be paid on application, and £1 on

* The Company being incorporated with Limited Liability, and the shares paid up, no shareholder can be liable for more than the nominal value of the shares for which he subscribes

Application for shares, addressed to the Directors in the form annexed to the prospectus, and accompanied by a cheque or Post Office order for the deposit of £1 on each share, may be made to the Alliance Bank (Limited), Bartholomew-lane, E.C.; or to Messrs. BARTLETT and CHAPMAN, at the offices of the company, 36, Cornhill, London, E.C., where the Articles of Association and samples of the ore may be seen, and prospectuses and all further information be obtained.

Notices to Correspondents.

*, * Muchinconvenience having arisen in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal should be filed on receipt: it then forms an accumulating useful work of reference.

BLATES SUPERSEDED.—The suggestion contained in last week's Mining Journal to employ enamelied from-plates as a substitute for slate appears so likely to prove useful that we should be glad to learn the names and addresses of those making them in this country. If the price be such that they could compete with slates we should like to give them a trial.—T. and W.: Oswestry.

MINERAL STATISTICS.—Can any of your correspondents furnish through the Journal some reliable information regarding the quantity and percentage of the zinc ores annually extracted in Sicily and Sweden, and the average cost of bringing them to surface?—A. Sch.: Breslau.

COLLIERY WORKING—TUBBING WATER.—Can any of your readers, through the medium of the Journal, give me some particulars respecting the new description of cast-iron appliances for effectually tubbing water back, to be used at Earl Vane's New Silksworth winnings, and in what they differ from the system generally adopted?—A Young Engineer.

TIN-PLATE MANUFACTURERS—"S. M. V." (Devoran).—The Margam Tin-Plate

TIN-PLATE MANUFACTURERS—"8. M. V." (Devoran).—The Margam Tin-Plate Company, the Ynlspenliwch Tin-Plate Company, Swansea, the Pontypool Iron and Tin Works, or the Copper Miners in England Company, whose London offices are at 27. Martin's-lane, Cannon-street, would probably be among the best firms to apply to.

best firms to apply to.

IRON WORKS AND COAL MINING IN SOUTH WALES.—In Mr. M. B. Gardner's letter, in last week's Supplement (1st page, 24 column, 6 lines from bottom), a transposition unfortunately occurred. It should read thus:—The blast-furnace arrangements at Cyfarthia are similar to those at Yals-vach. A portion of the coke is made in ovens. The ordinary coal obtained from Gethin will not coke in ovens, inless mixed with some more bituminous or binding coal; but the open clamp system of okking is that generally practisel, though it is attended with a deficiency of yield in coke. The blast-furnaces produce about 125 tons of pig-fron weekly.

THE MINING JOURNAL,

Bailway and Commercial Gazette.

LONDON, SEPTEMBER 18, 1869.

BOARDS OF ARBITRATION AND CONCILIATION FOR THE COAL TRADE.

"The parties to this agreement, desirous of preventing all future disputes, are favourable to the formation of a Board of Arbitration and Conciliation in South Yorkshire as soon as practicable." These are the concluding words of the agreement come to between the representatives of the owners of the Denaby Main Colliery on the one part, and the representatives of the men on the other. By virtue of that agreement the strife at Denaby Main, which had lasted six months, was brought to an end on Saturday. Mr. Normansell has amounced that he has now had the pleasure of shaking hands with Mr. Pope, that it was for the good of the Association he had done so, that Mr. Pope and remarked that he would take steps to make the men all comfortable, and that he (Mr. Normansell) truly believed that Mr. Pope meant everything that was honourable and right to all. This being so, it is not for us to do more than to congratulate both sides upon the restoration of good feeling, and upon the prospects which being so, it is not for us to do more than to congratulate both sides upon the restoration of good feeling, and upon the prospects which now seem to be before them of the profitable employment alike of capital and labour. We wish, however, to urge the adoption without delay of that part of the conditions which we have just quoted; at the same time that we point out certain hindrances to the continuance of that cordiality of sentiment which each party earnestly desires should exist. But our remarks are intended to have a wider application than to this particular instance. The signs of the times must not be mis-read. The forces ranged on the side of labour and capital respectively never were more powerful, and every year they are becoming more equally matched in respect of their warlike capabilities. In the conflicts between nations, the advance in the knowledge of that branch of the material sciences which relates to projectiles large and small is the measure of the advantage which one people possess over another. The attainments in this respect of almost every European nation being equally great, warfare, it is almost hackneyed to say, must henceforth become short, sharp, and decisive. Not so, however, those other contests; for in proportion as either side is powerful in its organisation, so are its chances of ultimate success. And as these are becoming equalised, so it is to be inferred that the duration of the warfare between labour and capital will hencefore

And as these are becoming equalised, so it is to be inferred that the duration of the warfare between labour and capital will henceforth be more protracted, and, therefore, more disastrous than heretofore. What otherwise than an increase of power by the operative classes is to be inferred from the Labour Congress not only of a National, but likewise of an International character? What, at Basle the other day, said the Secretary of the Amalgamated Carpenters and Joiners of Great Britain? Why, that—

"There had been a time when English employers had threatened their workmen that if they did not submit to their flats they would replace them by Frenchmen, Germans, or any other men they could obtain. If the International Association had done no other good, it had put a stop to that. But it had done more, It had spread the knowledge that, as a rule, the working men were in the same ansatisactory state throughout the evilised world, and that a combination of workmen of different countries was necessary to grapple with the cell. To a certain extent, the difference of language hampered the progress of such combinations, but he did not despair. They had men among them, working men, who were conversant with several languages, and they would take care that intercommunication was kept up, provided that the working men were willing to enter heart and sout into this International Association."

The willingness to do this on the part of the carpenters and joiners

Intercommunication was kept up, provided that the working men were willing to enter heart and soul into this International Association."

The willingness to do this on the part of the carpenters and joiners of Great Britain was shown by the identification of their society with the International combination. It may be true that the incongruous elements which made up the Congress at Busle may, for the present, point to confusion in their councils, but the desire of Mr. APPLEGARTH'S English mind that the Congress might result in something practical for the good of the working classes, will by-and-bye find practical operation. In saying this, we are, of course, speaking from Mr. APPLEGARTH'S stand-point. We do not endorse his sentiments. We merely draw attention to the facts as they exist. Every year the masses, not alone in this country, but likewise on the Continent, increase in power. Every change which has lately taken place in the domestic legislation of the different nations of the Continent has had this tendency. To what has happened, and is hap-

timent, increase in power. Every change which has lately taken place in the domestic legislation of the different nations of the Continent has had this tendency. To what has happened, and is happening, in our own country, Mr. APPLEGARTH thus points:—

"We have now household suffrage. Having got this political power we shall soon find out how to use it. This political power was acquired by the joint efforts of the Trades Unions and the Reform League. When we became carnets, and it was found that we were united. Members of Parliament sprang up in every direction to assist us, and they found their way to the offices of trade secretaries. A law was passed to protect our funds. The Trades Unions have not only influenced Parliament, but the workpoople as well. The Trade Union Congress of Birmingham has passed a resolution, luriting trade secleties to join this association. We have established a Labour League 5. return working men to Parliament, to remove obnoxious laws. Much that I have beard here were settled questions with us 2 years ago. We have now got into thorough working order, and we want to extend our alliances all over the world. We have no funds to send emissaries about to make propaganda, but we have a considerable force, and the Press and Parliament have already felt its power; it has enabled us to put the screw on to compel Parliament to pass laws in our favour. Another English delegate, Mr. Ecoatillo, of London, said that as the accession of the middle class to political power but worked a social change, so would the acquisition of political power by the working class. The late Labour Congress at Birmingham had passed some resolutions which would before long lead to the establishment of a working men's party, distinct from either of the old political parties. At Birmingham a resolution had been passed in favour of eight hours being made the legal working day; and if that resolution were not to remain a dead letter, the working classes of England would have to follow the example of the worked men of the arilament to give effect to their principles."

And there can be no doubt that if they should determine thus to

the they can carry out their determination. They now possess suf-icient legislatorial influence to carry any measure they may desire, f only they resolve to do it. True, it may be like willing their own f only they resolve to do it. immolation, but our point is that they now possess the means of working evil to themselves and to their employers, which if the latter are not wise in time may prove inestimably disastrous.

The remedy is found chiefly in that enlisting of the pecuniary symne remedy is found offerly interemising of the pecuniary sympathies of the operative with those of the employer, to which this Journal has more than once pointed attention when it has spoken of Messrs. BRIGGS and their colliers. Next to that, arbitration and conciliation must be encouraged. Society must adapt itself to the state of things which has now come about; and come about, it must be

remembered, not on a sudden, but by gradual steps, thereby pointing remembered, not on a sudden, out by gradual steps, thereby pointing to something like permanence. Anarchy is not threatened, but anarchy may ensue, even as by the placing of an impediment in its way an otherwise placid and benificent stream may be made to overflow its bounds, and spread disaster where otherwise it would have flow its bounds, and spread disaster where otherwise it would have scattered plenty. Happily, many of the men at present ask for arbitration and conciliation. Let the masters go further, and, imitating Messrs. BRIGGS, gather around them powerful friends from amongst those who may otherwise become their enemies. But if this cannot be accomplished, by all means let there be arbitration. And when there is arbitration, let the men scout the first attempt to denounce it if the arbitrator should decide against them.

TECHNICAL EDUCATION FOR IRELAND.

In a former article we gave an outline of the course of Technical instruction given in the Royal College of Science, Dublin; on this

In a former article we gave an outline of the course of Technical instruction given in the Royal College of Science, Dublin; on this occasion we purpose entering somewhat more into detail, and we may observe that the truth of the remark with which we closed our first notice—"that the College gives an abundance of Technical Education of the best kind, and upon the most favourable conditions," has been singularly and speedily confirmed, for we find in the list of successful candidates for the Whitworh scholarships, the examinations for which have just closed, one of the College students; he is also, we believe, an exhibitioner of the College, so that he will now receive 150%. A year and free education—50% as an exhibitioner, and 100% as a Whitworh scholar. Here is evidence of the best and most satisfactory kind that young men, even the humblest, if desirous of preparing themselves for the higher walks of mechanical and manufacturing industry, can obtain, if worthy of success, not only free education, but a handsome income, by their own exertions.

**The class rooms, laboratories, museum, library, and reading room of the college are all admirably adapted to their several purposes, and no expense has been spared by the Government department in fitting up and furnishing them. The museum contains models of mining machinery, of iron, zine, and lead smelting, of chemical and gas works, of the furnaces and kilns employed in the potteries, and a series of models of looms and machines to illustrate the processes of textile manufacture. The Palæontological gallery of the museum contains the collection of fossils made by the Ordnance and Geological Surveys of Ireland, and also a set of duplicates of the English collection. In the gallery devoted to minerals and rocks are an extensive collection of minerals, arranged educationally, and a large series of rocks collected by the Irish Surveys; and a collection by Krantz, of Bonn, of European rocks. The library contains, as we have stated, an extensive and carefully selected col rooms, as well as those set apart for geometrical and mechanical drawing; and the laboratories are fitted up with the newest and best educational appliances.

EXPERIMENTS WITH CHILIAN COAL.

With a view to ascertain the industrial value of the coal produced in Chili, a series of interesting experiments have been made by Mr. V. Pons, first master mechanic, upon the nature and quality of the coal from the Lota Mines, and from his report, published in La Houille, it appears that the results obtained were highly satisfactory. This coal is of the charbon-maigre character, of deep grey colour, and its fracture is lamellar, or in regular grains; it but slightly soils the fingers when touched, and lights and burns readily, giving a long white flame; it gives off an abundance of very black smoke, is but very slightly contaminated with pyrites, gives but a small percentage of ash, but produces a considerable quantity of clinker.

The subjoined is a comparative table, showing the results obtained in the experiments:— Mean Revolu Consumed Ash With a view to ascertain the industrial value of the coal produced

in the experiments:—		Mean	R	evolu	- C	nsume	ed	Ash
Coal.	t	ension		ons p		per		per
A 1.00 1.00		eam p.		inut	e,	hour.		cent.
Cardiff and Newcastle		400	 	65		750		19
			 	62		780		13
Patent fuel		95	 	63		800		12
Cardiff		100	 	64		715		10
Lota		105	 	64		1042		8
Lota and one-third Care		100	 	68		980		7
Lota and one-half Card	iff	100	 	63		900		6

Lota and one-third Cardiff. 100 63 980 7
Lota and one-half Cardiff. 100 63 980 7
Lota coal without admixture was the fuel employed, the boilers being disposed as favourably as possible; the tubes were swept, and the fire-boxes cleared of clinker. The trial was made with the greatest care, with the object of comparing, by the performance of the engine, and both as to quantity used and calorifice effect, the relative value of Lota coal and that of Cardiff, usually employed. With regard to the quantity of fuel used, it greatly exceeded the quantity usually considered as the limit for obtaining the same result; but at the commencement of the experiment, before the bars became clinkered, the pressure in the boilers was very well and regularly maintained, which is often a difficult matter, however much care may be employed in stoking, when an inferior quality of coal is employed. As to calorific power, the Lota coal may be placed amongst the non-bituminous coal of good quality, for they were able to produce with it results obtained with coal enjoying a reputation as of superior quality, and for a short time even to surpass those results. The coal, however, has certain objectionable qualities, which Mr. Pons considers should be mentioned—it burns only on the surface of the mass, it gives off a large quantity of gas, forming a long vivid flame, but of short duration, although the residue remains incandescent on the fire-bars; this inconvenience might be, to some extent, obviated by feeding little and often. The quantity of clinker produced is, moreover, considerable, filling the ash-pit in a very short time, and quickly covering the hors to a thickness. quantity of clinker produced is, moreover, considerable, filling the ashpit in a very short time, and quickly covering the bars to a thickness of 2 or 3 in.; it is very friable, breaking with the least touch, and does not agglutinate on the bars, but mixes with the coke, and deteriorates the quality of the coal, through the necessity of frequent raking; and, lastly, the smoke is very abundant, and quickly chokes up the tubes to a considerable extent.

The second experiment was made with a mixture of one-third Cardiff with two thirds Lota coal, the journey made being from Talcahuano to Valparaiso; and the result showed a sensible improvement. The pressure of steam was maintained without difficulty, and the

huano to Valparaiso; and the result showed a sensible improvement. The pressure of steam was maintained without difficulty, and the choking of the fire-bars was much diminished by the addition of Cardiff coal, but the admixture did not appear materially to diminish the consumption of fuel. In this second trial the fire was lighted with Lota coal alone, and steam was got up in 40 minutes, whilst 1 hour 10 minutes was the shortest time in which they had got up steam from the time the Mégère left France, which proves that during the combustion of the coal a large amount of caloric is given off. Considering the matter seriously, impartially, and without exaggeration, Mr. Pons considers it good and advantageous for steam navigation. In the last experiment with Lota and Cardiff, half-and-half, gation. In the last experiment with Lota and Cardiff, half-and-half, which was likewise made on the journey from Talcahuano to Valparaiso, the improvement was much more decided. The regular prouction of heat and steam was much more facilitated, and Mr. Pons has remarked that, although the production of clinker was about the same, it was less friable, owing to the combination of bituminous matters from the Cardiff coal, so that it mixed less with the coke, and was more easily removed. Even with this mixture the consumption was still very high, and he attributes it not only to the rapid combustion of the Lota coal, but also to the necessity for frequent raking, which was often necessary twice in a quarter of an hour raking, which was often necessary twice in a quarter of an hour.

MINING IN THE MARITIME ALPS.—The mineral resources of the district around Nio: have long remained undeveloped, owing to want of facilities for transport; considerable interest is consequently felt in the project now under consideration for establishing an improved means of communication between Coui, Ventimiglia, and Nice, by the adoption of the Agudio system of traction by way of the colle di Tenda. The sum of 2,000,000 frs. has just been voted by a number of the towns interested, such as Turin, Coni, Tende, Nice, &c., and with this sum the engineer (Agudio) has undertaken to make a tunnel 1000 metres, and thus by the use of his machinery establish regular communication by way of the colle di Tenda. By the use of the new MINING IN THE MARITIME ALPS .- The mineral resources of the

route the distance from Turin to Marseilles will be diminished from 516 kilos, to 422 kilos, whilst from Cunco to Ventimiglia the diminution will be still greater, being 235 kilos, by the old route, and only nution will be still greater, being 235 kilos, by the old route, and only 81 kilos, by the new. It is confidently anticipated that the new Agudio line will return a profit to those investing in it of at least 10 per cent. But importance attaches to it from other considerations—it is believed that it will lead to the profitable opening out of the St. Dalmas Mines, which, although of acknowledged value, have been long suspended. St. Dalmas is within 10 hours distance of Nice, and it is believed that at the mines upwards of 100 miners could be most profitably employed. It is considered that with judicious management, and a comparatively small amount of capital, a large amount of profit could very readily be realised.

IMPROVED PISTON FOR STEAM OR OTHER ENGINES.

By Mr. THOMAS H. MARTIN, of the Morfa Copper Mills, Swansea. [Read at the Miners' Association of Cornwall and Devon.]

The piston being the medium by which the power of the steam is exerted and transmitted through the rod to the work to be performed, it naturally forms one of the most important parts of the steamengine, consequently the duty of the engine, in a great measure, depends on the efficiency of its work. Pistons are of various constructions, but all may be classified under two heads—those for single acting, and those for double acting engines. In single acting the steam is admitted on one side of the piston only, the reverse side being generally hollowed out, whilst in double acting engines the steam is structions, but all may be classified under two heads—those for single acting, and those for double acting engines. In single acting the steam is admitted on one side of the piston only, the reverse side being generally hollowed out, whilst in double acting engines the steam is admitted on both sides alternately. It is not material in the construction of a piston whether the engine is condensing or non-condensing. The principal disadvantages attached to pistons now in use are—firstly, when at an tight, increased triction, from being newly packed, and unnecessary friction when going the "out-door part" of the stroke; secondly, steam, in escaping, is a loss of power in itself; thirdly, in its escape it considerably decreases the vacuum, which is also a loss of power; and, lastly, the great expense of labour and materials, &c., in packing, with the necessary delay occasioned therefrom. It is an admitted fact by all engineers who have at all considered the matter, that the Cornish pumping or single-acting engine is capable of developing a far greater amount of duty than any other class of eighne when under similar conditions, and it is with the view of increased development of power in this type of engine that he now suggests the introduction of steam dightening pistons. The good results obtained from trials made prove that the great advantage they possess results from the principle on which they are conducted, and he feels assured that a trial only is necessary to convince anyone of their superiority over the present method. Tightening has been adopted for many years past for locomotive and other small engines, but from the imperfect method of admitting the present method. Tightening has been adopted for many years past for locomotive and other small engines, but from the imperfect method of admitting the steam, and defective construction of the piston and rings, they have in most cases been abandoned. The piston may be thus described. The form of the reduction of the present admitting the present of a manner as t

The construction of the ordinary seen them in several engines at Swansea.

[We understand the improved piston of Mr. Martin has been tried, and found to answer with the most marked success. Mr. William Williams, of the Millbrook Iron Works, says—

"The construction of the piston is very simple, and it does its work very efficiently, and I firmly believe it will work much more economical than a piston fitted with steel springs in the ordinary way."

Mr. William Williams, engineer, of the Hafod Copper Mills and Evandry says—

Foundry, says—
"In my opinion it is the most effectual working piston out."

"In my opinion it is the most effectual working piston out."
Mr. John Burgess, of the Perran Foundry, says—
"The action of the valve when the piston reaches each end of the cylinder is perfect, as could be distinctly heard by listening close to the cylinders whilst at work. The vaccum obtained was the best I ever saw obtained in any engine; in fact, it appeared quite perfect, whilst a great advantage must be obtained by the pressure of the piston against the cylinder being constantly in proportion to the lead. That this pressure is not at any time too great is proved by the large saving effected in coals. I was much pleased with its action."

Mr. Thomas White, of the Lliw Forges, Swansen, says—
"Although for the last 20 years I have had great experience in both marine and stationary engines, I have never seen one so simple and effective, or less liable to get deranged, neither have I ever seen such a good vacuum as your guage registered."

guage registered."

Many other testimonials bespeak the value of Mr. Martin's patent, and we doubt not it will soon be universally adopted.

MIDLAND INSTITUTE OF MINING ENGINEERS.

A meeting of the members of this Institute was held on Tuesday. A meeting of the members of this Institute was held on Tuesday, at the rooms in Barnsley. There was a very large attendance, amongst those present being Mr. Embleton (President); Mr. P. Cooper, Masbro' Collieries; Mr. Chambers, Chapeltown and Thorneliffe; Mr. Lupton, Chesterfield; Mr. Miller, Strafford Main; Mr. Southern, Old Silkstone; Mr. Kell, Kilnhurst; Mr. Minto, Mr. J. Beaumont, and Mr. Barker, The Oaks; Mr. Wilson, Darfield Main; Mr. Hunter, Wakefield; Mr. Pearce, Mr. W. Robinson, Mr. E. Oldroyd, &c. The chair was taken by Mr. Embleton, and some preliminary business having been transacted, the Chairman called upon Mr. Lupton to read a paper which he had prepared, and for which several large diagrams occupied one end of the room. Mr. Lupton then read a—

PRELIMINARY PAPER "ON THE USE OF HYDRAULIC MACHINES IN COAL MINES AS A SUBSTITUTE FOR GUNPOWDER AND HAND-DRIVEN WEDGES,"

PRELIMINARY PAPER "ON THE USE OF HYDRAULIC MACHINES IN COAL MINES AS A SUBSTITUTE FOR GUNPOWDER AND HAND-DRIVEN WEDGES."

A brief mention of the modes of getting coal now practised will facilitate description of the action of the p. tent machines. The first method is that in the face of the stall is underent for a distance of from 3 ft. to 6 ft., and the coal citture fails by its own weight or is forced down by the weight of the superincumbent strata. The second method is when the heling is made above the seam of osal, or when the coal is underent, and will not fail without the application of power. If this case the coal is often blown down by the use of gung, powder; and in other cases, when the use of powder injures the coal, or is danggerous by reason of the presence of fire-damp, the coal is brought down, or forced up, as the case may be, by means of wedges driven in by hand hammers. The third method is practiced in South Wales, North Staffordshire, and other price and the presence of the coal can be so castly separated that the net cessity for holing is sometimes obviated altogether, and sometimes only occasional, and here the coal can be got by fulledously placed shots, and by the use of fhort and hand-driven wedges by the use of hydraulic machinery.

There are three patentices of coal-breaking machines, Messrs, Grafton Jones, Charles John Chubb, and Samuel Parker Bidder, jun., Associate Society C.E. Mr. Johnson, Mr. Jones's patent it s dated June, 1857, Mr. Chubb's May, 1888, and Mr. Bidder's Nov., 1888. As Mr. Grafton Jones was first in the field, he would first describe his machine. The first machines tried by him were intended to be used with his coal-cutting machine (a compressed-air pick machine). The machines would thus be used in a head, a vertical thek would be cut in either side, and you had been the strap is described in a head, a vertical thek would be cut in either side, and you had been the patent of the machine of th

advanced by means of a screw, which travels through a nut fixed to an upright standard, which is fastened between the roof and floor by means of a screw. Ten turns of the screw advance the drill I incl; the hole was drilled 3 feet into the coal. The strap with the pressing blocks and wedge were then inserted, the force-pump set to work, and the wedge driven between the pressing-blocks, which opening in a vorteal direction forced down the coal.

In addition to the machines above described, Mr. Jones has patented two others of different construction. These machines are constructed as follows: "A cylindrical box of fron, of from 3½ to 4½ in. in diameter, and 18 to 29 in. long, has from five to six holes bened through transversely, of a diameter in the larger machine of 2½ in. A small hole, about ½ in. in diameter, its also bored longitudinally through the earter, this connecting all the transverse bores; in each of the transverse bores are placed two rams fitted with cup-leathers on the larger machine of 2½ in. In an opposite direction to this machine the strokes, added a tube about 2½ in. In an opposite direction to this machine reservolr for water, and at the coal of the stude is fastened a force-pump, which travervolr water, and at the coal of the same diameter as the machine, and about 3 ft. in depth; the machine is the machine. The method of working its as follows: "A hole is bored in the coal of the same diameter as the machine, and about 3 ft. in depth; the machine is then put into it up to the coal. The force-pump set to work causes the coal of the same diameter as the machine, and about 3 ft. in depth; the machine is cheeping the same diameter as the machine, and about 3 ft. in depth; the machine is the put into it up to the coal. The other machine is the same as the last, except that, instead of a force pump, a screw is used, which is worked into the reservoir of water, having a cup-leather at the end, which forces the water for ward between the transversely expanding rams. This machine a popear to bave

got by the machines. Out of the total quantity of coal got, about a per venter less of stack is made when the hydraulic machines are used than when powder is used.

He had received a letter from Mr. Bidder a few days ago, stating that his machines had been successfully tried at the Queen Pit of the Haydock Collieries, where they were about to be adopted, the owners having decided to close the pit rather than incur the risk of using gunpowder. Thus it appears that hydraulic machines have been found to satisfactorily do the work of gunpowder in many places, and it appears to be well worth the while of the Institution carefully to consider their merits as regards their application to this district. If they should be found, after brial, to be unsuited to our coal, then, when future explosions took place, they would not have it on their consciences that they had left one chance of safety neglected. If, on the other hand, they proved successful, that success would be honourable to the inventor, a matter of congratulation to themselves, a source of safety to the colliers, and, it was to be hoped, a source of profit to coalowners. In submitting the paper, he considered that some applogy might be due for its incompleteness, maxodiable delays having prevented him from making all the experiments he had intended. On the motion of Mr. Wilson, seconded by Mr. Maddison, a cordial vote of thanks was given to Mr. Lupton for his able and interesting paper.

The CHAIRMAN remarked that the coal got at the Harecastle Colliery was of a very peculiar character, being so soft as to almost crumble in the hand. It was perfectly shapeless when got, whilst the fact that, overlying it, there was the sand stone about 50 ft. thick, made it particularly easy to get from such a very good roof. What was required was a machine adapted to the scams of each it in the discrete in which they were and which could be worked advantageously, combining economy with the greatest amount of safety.

Mr. P. Coopers Raid that it appeared to him that an impres

greatest amount of safety.

Mr. P. COOPER said that it appeared to him that an impression Mr. P. Cooper said that it appeared to him that an impression prevailed that some of the machines brought out were calculated to prevent explosions, and if such were the case, then indeed there was a strong inducement why they should be adopted. For his own part, he would give every facility at the collery with which he was connected to have one or more of the machines tested. What was wanted was the doing away with holing, so as to avoid as far as possible the making of small coal or stack. —After some further remarks, it was agreed that the discussion on the paper should be adjourned until it was printed; and, on the suggestion of the President, Mr. Lupton agreed to supplement the paper with some more observations deduced from experiments, which he will shortly make. The paper was in every way interesting, and highly creditable to the author, who evidently spared no trouble in bringing the subject before the meeting in the best and most attractive form.

A vote of thanks to the President brought the proceedings to a close.

REPORT FROM SCOTLAND.

Sept. 15.—We have had rather a buoyant week in Pig-Iron, prices having gradually advanced, and yesterday the market closed firm, after a large business, at 53s. 4½d. cash, and 53s. 7½d. a month, buyers, sellers holding for 1½d. per ton more. The shipments from the Scotch ports were again large, being 16,270 tons, against 14,185 tons, or an increase over last year of fully 2000 tons, while from Middlesborough the imports have decreased 630 tons on the week, and 43 1.75 tons on increase over last year of fully 2000 tons, while from Middlesborough the imports have decreased 680 tons on the week, and 43,175 tons on the year till date. To-day we had an easier market, 53s. 74d. to 53s. 6d. a month, and 53s. 4½d to 53s. 3d. cash having been accepted for about 10,000 tons, closing sellers 53s. 3½d. cash, and 53s. 6½d. a month, buyers a shade less. No. 1, g.m.b., 53s. 3d.; No. 3, 52s. 3d.; Coltness, 62s. 9d.; Gartsherrie, 61s.; Calder, 58s.; Summerlee and Langloan, 57s.; Eglinton, 53s. 6d.; Kenneil, 53s., brand No. 1. There is a cheerful tone in the Manufactured Iron Trade, and a goodly number of specifications are still offering for shipment, at hardening prices. The tone of the pig-iron market is assisting makers of prices. The tone of the pig-iron market is assisting makers of Finished Iron to better prices, and it may be noticed that shipbuilders at the more northerly ports, who had been receiving their angle and beam iron from the North of England, are again in this market with

beam from from the North of England, are again in this market with their specifications, but they failed last week to get what they wanted unless they paid enhanced prices. A Coatbridge firm are also said to be sending manufactured iron to Newcastle, perhaps of some special make, but still they are said to be running off an order for that destination, a circumstance worthy of remark. Shipbuilders' iron is again improving, and higher prices will have to be paid for delivery in early spring. No change in quotations since last week.

The Coal Trade, with the long drought and consequent falling off of water-power, has slightly improved the home demand; but the shipments for the week show a considerable decrease on the corresponding week of last year, the respective totals being—this year, 23,055 tons, against 30,150 tons in the corresponding week of last year. Quotations without any sensible change, but there is the dawning of a more auspicious time for the coal trade appearing. Taking advantage of this, the miners of Fifeshire and Ayrshire are in for an advance of wages, Glasgow having conceded it already, and there are hopes that the Wishaw district will have an advance by Oct. I. A new pit is about to be sunk at Garthavel, from the gas

and there are hopes that the Wishaw district will have an advance by Oct. I. A new pit is about to be sunk at Gartnavel, from the gas coal to the Garibaldi ironstone.

The Shipbuilding Trade on the Clyde is in a very prosperous condition. The serew steamer Galatea, of 1909 tons, and 150-horse power (recently launched), has been purchased by the Turkish Government, and is now loading for Constantinople. Two steamers for the River Plate have just been contracted for, and the Hardepool Harbour Commissioners have settled terms for the construction of a powerful steam-dredger with W. Simons and Go., Renfrew. The mechanism of this vessel will be similar to the one now cutting the stone bar across the entrance to Carlingford Bay, or to those excavating the great North Sea Canal, Holland. The Austrian Libyd's Steam Navigation Company have had another fine serve steamer added to their fleet, of 18-9 tons, and 250-horse power, named the Aurora. Messes, Adam-on and Ronadson, London, have had successfully launched for their East India trade an Iron sailing ship of 1000 tons, named the Caim.

There were great reioleings at Mossond last Thursday, on account.

nad successfully launched for their Bast India trade an Iron sailing ship of 1000 tons, named the Calim.

There were great rejoicings at Mossend Inst Thursday, on account of the marchage of Mr. William Netison, Mossend Iron Works. From an early bour cannon beomet from the works, while flags were numerously displayed there and at the several coal works on the estates of Carabree and Orbison, belonging to Mr. Neilson, and the minabitants of the populous village of Mossend exhibited flags from every window and house-top in honour of the event. By invitation from Mr. Neilson, a large party connected with the various works were entertained to dinner in the Ciyde Hotel, Bothwell, when the beatlas of the bride and bridegroom were given, and a very enjoyable evening was spent on the happy occasion.

An effort to establish street steam omnibuses is about to take place

in this city, our principal omnibus proprietors going heartily into the project. The Police Board have already authorised the experiment, and it will not be wonderful if we should, in addition to adapting steam to the purposes of navigation, also prove the adaptibility of steam for city passenger traffic on a large scale. With all the appliances at our hand, the attempt can scarcely prove a failure from any cause proceeding ab intra.

The quantity of gunpowder shipped from the Tail-of-the-Bank in the month of August amounted to 416,250 lbs., valued at \$2,000.

ne month of August amounted to 416,250 lbs., valued at 82,000l.

The directors of the Caledonian Railway Company have officially anounced a dividend of 3% per cent., leaving a balance of 9700l.

CLYDE SHIPBUILDING .- An American tourist, in a communication CLYDE SHIPBUILDING.—An American tourist, in a communication of the New Tork Times, after stating that he had recently visited Sectiand, add hat, having had occasion to go by steamer from Dumbarton, on the River Clyde of Glasgow, a distance of about 18 miles, he took the opportunity of observing the shippards on either side, and noticed the number of steamers and sailing ressels, exclusively of iron, then on the stocks, in the various stages of construction. He says :—"I counted 69 iron vessels within this distance in construction or was my count complete, as I began some time after seeing the first, and eased in wonder and amazement before seeing the last. This does not include essels off the ways and in the water, of which there were tiers two and three eep, swarming with workmen, along the quays. Expressing my astonishment of my companion, a Glasgow merchant, he remarked that shipbuilding was not erry active on the Clyde just at that time. I was ashmed to say to my friend, Ve do not build iron vessels in the United States." We agree with the writer adds the Editor of the New York Times), that this statement needs no comeant to impress the most carcless and unobservant.

TRADE OF THE TYNE AND WEAR.

Sept. 16 .- The arrivals in these rivers have been large during the week—310 vessels in the Tyne, and a large number in the Wear; at the Hartlepools there have been 208 vessels. The collieries have, consequently, been well supplied both for the coasting and foreign consequently, been well supplied both for the coasting and foreign trade. Coasting freights are low, ranging from 5s. 7d. to 6s. per ton. Foreign freights are, on the whole, good outwards, but the freights inwards are low. To Cronstadt, 14t, per keel; Hamburg, 7t, 5s.; and Spain, 10t. to 11t. The Mediteranean ports remain firm—for Genoa, 18t.; and Alexandria, 21t. There is little demand for India and China, but enquiries are made for New York and Montreal. The Iron Trade continues to improve, and as the blast-furnaces and rolling-mills are fully engaged, and stocks are decreasing, a rise must take place shortly in pig-iron, and also in rails and bars. The iron shipbuilding continues brisk, and most factories are improving also, but the collicites are not fully employed generally. In Durham many take place shortly in pig-iron, and also in rails and bars. The iron shipbuilding continues brisk, and most factories are improving also, but the collieries are not fully employed generally. In Durham many are well employed—that is, coking coal collieries and gas coal works, but the house coal works are only moderately employed, and the works west of Tyne Bridge have been very slack lately. The steam coal works are not fully employed, and generally complaints are loud and deep that no profits are made, and those complaints are but too well founded, yet it is a fact that in some localities the men are clamouring for advanced prices. At Trimdon Grango Colliery a strike has taken place; part of the men have, however, left the place, and secured work elsewhere, and thus left the work open for others, so that it is hoped that their places will shortly be filled. Three of the men have been evicted from their dwellings, and it is feared that this course will be followed in other cases shortly. The average wages earned by the men in the time last worked amounted to 4s. 7d. per day in the Low Main seam, and 5s. 73d. in the Main Coal seam. The strike was caused by a demand for higher prices, and the officials state that the account given above as to the earnings of the men may be taken as about the average earnings since the reduction in April last, their earnings before that time having been considerably higher. This occurrence at Trimdon has, no doubt, some connection with the arcitation which commenced at Mankwarment hat a has been been been to the commenced at Mankwarment has a back that he are the seminanced at Mankwarment hat a hear hear the seminanced at Mankwarment hat a hear hear hear the seminanced at Mankwarment hat a hear hear hear the seminanced at Mankwarment hat a hear hear hear the seminanced at Mankwarment hat he are the are the seminanced at Mankwarment hat he are the seminanced at This occurrence at Trimdon has, no doubt, some connection with the agitation which commenced at Monkwearmouth, but, as has been already remarked in this letter, the course pursued at the latter place will certainly not be pursued in any other case. The men must fulfil the engagements they have entered into in common fairness, and if they do not their conduct will, no doubt, injure the masters in some

uses, but it must also entail much suffering upon themselves.

Large quantities of water continue to be pumped out of the works
Wallsend and Hebburn, and the water is still going downwards. but latterly the progress down has only been slow—at any rate, not so quick as it was a short time ago. Two engines are pumping at Wallsead, and one Cornish engine is pumping at Hebburn, and two large engines are winding water by means of large buckets at the latter place, so that at present there are five engines lifting water; the total quantity lifted (upwards of 100 fms.) being about 2400 gal-lons per minute. The Cornish engine at Hebburn is a most effective one, working in the finest manner, and very economical. This engine lifts 750 gallons per minute. The cylinder is 70 inches. A similar engine has been erected at Wallsend, the cylinder being 100 inches. but this has not yet been started; and another winding-engine is being prepared for working at the west pit at Hebburn. When all these engines are started, the quantity of water lifted will be enormous. The depth now reached is 111 fms., and 16 fms. more is to gained before reaching the seam at Hebburn—that is, the High Main seam; when this is effected, one important stage will have been reached, which has been most anxiously looked for. When this is done the tubbing which was burst a few verys are will be replaced.

reached, which has been most anxiously looked for. When this is done, the tubbing which was burst a few years ago will be replaced, and a great portion of the water will thus be shut off. This achieved, the final struggle will be made to get down at the Wallsend pits.

Mr. Potter, of Cramlington, died last week. He has been a prominent mining engineer for a long term of years, enjoying a very enviable reputation, not only as a mining engineer, but also as a man. He was born not far from the birthplace of Stephenson, his ancesters beginning heavy approached with the collinging above bridge at Wall. tors having been connected with the collieries above bridge, at Wal-bottle and other places. He received a good education, and was sent to Cramlington to learn the business of a viewer, under the late Mr. Straker. He studied most carefully not only mine engineering, but mechanical engineering, and he was considered a good practical mechanic. He was engaged as principal engineer in winning the mechanic. He was engaged as principal engineer in winning the celebrated South Hetton Colliery, where unprecedented difficulties were met with in sinking through the sand, and this was only effected by using enormous steam-power, 45 steam-boilers having been used by the total expenditure before reaching the coal at one time, and the total expenditure before reaching the coal amounted to upwards of half a million. It was stated that the expenditure for bucket leather alone at this placed reached the sum expended in winning some collieries. Mr. Potter has managed for many years the Cramlington and other large collieries, where he was held in the highest esteem, and his death will be much lamented by large numbers of workmen, as well as all who knew him or came in large numbers of workmen, as well as all who knew him or came in contact with him.

A delegate meeting was held at Hetton on Saturday, Mr. J. Rich A delegate meeting was held at Hetton on Saturday, Mr. J. Richardson presiding. He reported that the Union is making progress in Durham. Mr. Isaac Haig, of Barnsley, delegate from the South Yorkshire Miners' Association, appealed to the delegates on behalf of 2000 miners in that district who had been locked out since March. It was agreed that each delegate should bring the matter before his constituents. It was arranged that Mr. J. Richardson be agent for the Union, his salary to be at present 11. 18s. 3d. per week. Various suggestions were ordered to stand over until the next meeting, which is to be held at Thornley a fortnight hence, in connection with a demonstration there for the benefit of the South Yorkshire miners.

NORTHUMBERLAND AND DURHAM PERMANENT RELIEF FUND. turday, in the ham, for the purpose of discussing the question of forming sick, funeral, and superanuation funds, to be worked in connection (so far as the staff is concerned) with the Permanent Fund. We do not understand that the new funds have to be at all connected financially with the older fund; such an arrangement would be disastrous. Of that we have no doubt; and, indeed, various opinions are held as to the necessity for the present step, as great numbers of the men are the necessity for the present step, as great numbers of the best the necessity for the present step, as great numbers of the provide for already connected with friendly societies, so as to fully provide for already connected with a second sickness. There was a large meeting, 80 themselves relief in case of sickness. There was a large meeting, 80 being present, and 21 collieries not represented; the chair was occupied by Mr. J. Howis, of Roughlea. It appears that tables have cupied by Mr. J. Howis, of Roughlea. It appears that tables have been furnished by Mr. Radeliffe, of Manchester, compiled from data gathered from the collieries in the two counties. Many of the de-legates were opposed to the formation of these funds, but a large majority were in favour of them, and therefore all the proposed measures were carried. It was resolved, "That it is desirable to establish a Miners' Accident Fund, to give relief for accidents during the first 26 weeks." And it was agreed that the relief should be 5s. per first 26 weeks." And it was agreed that the relief should be 5s, per week, the payments to be \(\frac{1}{2}\)d. per week, with 6d, entrance for men, and 3d, for boys. It was agreed that a Relief Fund for sickness be established, in accordance with the tables of Mr. Radeliffe; as well

as that a Superannuation Fund should be formed, but no age was fixed at which recipients should become eligible to receive payments. Votes of thanks were then accorded to the viewers and overmen of collieries in the two counties, for the assistance which they had given the committee in getting together the data for the tables: to Mr. H. Radcliffe, corresponding secretary to the Odd Fellows (Manchester Unity), and to others, when the meeting terminated.

THE NORTH OF ENGLAND IRON AND COAL TRADES,

Middlesborough, Sept. 15.—The meeting of the Iron and Steel Institute, which is to be held at Middlesborough on Wednesday and Thursday next, is looked forward to with considerable interest. A large gathering is confidently anticipated, and very complete arrangements the second control of the complete arrangements. ments have been made by the Council for enabling the members of the Institute to visit the various works in the district. On Wednes-day morning, and also on Thursday, general meetings will be held, when papers on important subjects will be discussed. A good many models, &c., have also been promised for exhibition during the meeting, and a numerous collection is expected. On Tuesday next the Quarterly Meeting of the North of England Iron and Allied Trades takes place in the Royal Exchange here, when, doubtless, there will be a large muster. In the evening of the same day (Tuesday) a public meeting is to be held, under the presidency of the Mayor of Middlesborough, to present Mr. Rupert Kettle with an address and despatch box, in recognition of his valuable services in the satisfactory settle-

meeting is to be held, under the presidency of the Mayor of Middlesborough, to present Mr. Rupert Kettle with an address and despatch box, in recognition of his valuable services in the satisfactory settlement of the wages dispute in April last. The ensuing week will, therefore, be one of considerable importance to the iron trade. On 'Change on Tuesday sellers of Pig-Iron were firmer in their quotations, and generally speaking prices showed an upward tendency. There was considerable enquiry for pig-iron, and a tolerable amount of business is reported to have been done. Most makers are well sold. and appear in Aisposed to book orders at recent rates, and for forward delivery a substantial advance on present prices is demanded. Quotations were—48s. 6d. No. 1; 44s. 6d. No. 3; 43s. 6d. No. 4, net eash on trucks at makers' works, or f.o.b. on the river. Continental demand is good, and shipments steady. In Manufactured Iron considerable activity prevails, particularly in the rail department. Some of the rail contracts for Baltic delivery are being rapidly worked off, and it is probable that shortly a slight lull may be obserable in this branch of the trade, though from report most makers are fairly supplied with orders for winter work. Angle and plate iron are in good request, and the same may be said of bars. There is no alteration in the state of the Coal and Coke Trades worthy of special observation; they are much the same as during the past few weeks; if anything the past few weeks. tion; they are much the same as during the past few weeks; if anything, however, a little improvement is to be seen.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

Sept. 16.—Nothing which has taken place in connection with mining affairs in South Yorkshire for years past has caused so profound a sensation amongst colliery owners as the announcement that the proprietors of Denaby Main, who more than six months ago deterproprietors or Denaby Main, who more than six months ago determined to employ non-Union men only, had given way, and sent for the heads of the Miners' Association to engage their services in replacing the men at present employed by those who were discharged at the commencement of the struggle. Great, indeed, was the jubilation of the men at such an unexpected termination, for it was felt that a proprietary so wealthy as Denaby Main would be about the last, after the oft-repeated declaration of the managing director, Mr. Pope, to give way and invoke the side of these this had a warpent accessed. give way, and invoke the aid of those they had so warmly opposed. The history of the struggle itself will serve to point a moral of no insignificant import—that the strongest resolutions are not always those which are the first to be consistently carried out. The Denaby Main Colliery was only opened out last year, and from the first an persons connected with the Miners' Union were employed in it. To wards the close of March, however, the men felt there was a grievance in some way, to redress which they solicited the aid of the leaders of the South Yorkshire Miners' Association. Mr. Normansell at once saw there was a new field opened to him for making converts to the principle of Unionism, and he at once commenced operations in the way best calculated to ensure success. He enrolled all the men working at the colliery, to the number of 300, as members of the Miners' Association, and agreed that on their striking against the proprietors they should at once receive the usual weekly allowance. This agreement has been faithfully carried out up to the present time, at a cost of between 40002, and 50002. On the other hand, Mr. Pope repeatedly declared that on no account would he for the future employ any persons connected with the Miners' Association. In carrying out that policy, a number of men from various places were obtained, and the collicy was worked on free-labour principles up to Thursday last. A change, however, passed through the minds of the hitherto spirited proprietors of Denaby Main, and Mr. Normansell was sent for, when a reconcilation was effected, and an arrangement made that for, when a reconcilation was effected, and an arrangement made that the old hands should be at once reinstated. The men who served Mr. Pope and his partners in their hour of need are, it is said, to be kept on as far as possible, but this both parties must have been well aware was simply impossible, as it is still fresh in the minds of the mining body what, under similar circumstances, occurred not so very long ago at Thorneliffe, where on the first morning when the Unionists resumed work after a strike, they attacked every non-Unionist they could find, one man having three of his ribs broken, and for which he had no redress. No doubt a similar scene would take place at Denaby, where the owners, in their great desire to please the leaders which he had no redress. No doubt a similar scene would take place at Denaby, where the owners, in their great desire to please the leaders of the Miners' Association, at any and every sacrifice of principle, and indeed of everthing else, actually unasked conceded a great deal more than was required or demanded. The owners of Denaby Main having thus admitted being completely defeated, after their repeated declaration that they would on no account give way, it is to be feared that the course adopted by them will be followed by the proprietors of other collieries where the men have been out on strike. At one of them, the Strafford Main, where from 300 to 400 men have been out for some months, there are strong indications of giving way, the manager this week having solicited an interview with Mr. Normansell, with a view to reinstating the old hands. Such is the position of affairs at some of the collieries in South Yorkshire—and it is one that is by no means creditable to some of the coalowners, or

is one that is by no means creditable to some of the coalowners, or assuring to those men who do not belong to the Miners' Association. There is little or no change in the state of the trade in Derbyshire, so far as regards the manufacture of Iron. The demand for Coal, however, has increased considerably of late, so that an increased tonhowever, has increased considerably of late, so that an increased consage is being forwarded to London and the South. The new branch line of railway from Sheffield to Chesterfield is to be opened in November, and will be the means of sending a large quantity of coal on to the Midland main line. Several new collieries have been opened out on its route, and the district promises to give employment to a very large number of hands. The West Staveley Company are now engaged in sinking a large colliery, and new from works are concemplated in the neighbourhood of Unstone.

In the South York shire district there is rather more doing at some

In the South Yorkshire district there is rather more doing at some In the South Torkshire discrete states of the South Torkshire the principal collieries in house coal. Steam qualities are also in better recest, more particularly for Grimsby for exportation to the North of Europe. At the Tinsley Park Colliery, near Sheffield, belonging to Mr. D. untsman, a serious fire occurred on Wednesday night. Some props caught to the put. Three are supposed fire, and the smoke soon proved serious to those in the pit. Three are supposed to have perished, but only one of the bodies has been receivered. The pit had been tille for some mouths, owing to a strike, and work had been but recently

William Firth, miner, of Dudley Hill, near Bradford, while at work William First, little, of Dudley Hill, lear Brattlet, while at Work in a coal mine at Tottshaw, recently discovered fragments of bones in the roof of the black bed coal. The pieces were earefully united, and on being submitted to Prof. Huxley, he pronounced the remains to be those of a new batrachian, constituting a new genus and species, to which he proposes to attach the name of pholiderpeton scattigerum. The specimen, which is one of the most complete fossils, is nearly 6 ft. long, and has been purchased for and placed in the museum of the Bradford Philosophical Society.

SMOKE CONSUMPTION—FIRING BY MACHINERY.—Mr. T.W. Lord, SMOKE CONSUMPTION—FIRING BY MACHINERY.—Mr. T.W. Lord, of Bank Mills, Leeds, writes:—'Mach has been written and many plans tried to obtain an efficient economical method of consuming the smoke created by the fires of steam-boilers in connection with our manufactories. My experience of forty years has tanght me that the great point to be arrived at its o adopt a system of firing which will obviate the necessity of creating so much smoke as leads to the secious complaints so justly made. Such a system has been adopted with great success for many years—I refer to the system of firing by machinery, and for many years I have strongly advocated this system, which was first patented by Mr. J. P. Furniston:—The hoppers, with their requisite at admenst, solely and properly applied, and which economise fuel, lessen the labour of the fireman, giving him more time to attend to the other important duties in connection with the bollers and engines under his care; and as slack or small coal is used, and best adapted for this method, there is economy in the

price of the fuel. Mr. Purniston applied this method first to the wagon-shaped and cylinder boilers, with one flue, in Lancashire and other counties, before the adoption of the cylinder boilers with two flues, after which the old cry of opposition to what was considered an encroachment upon the manual labour by the use of machinery, and the indifference of the trade to adopt the hopper system of two-flued boilers, by system into comparative disuse. Within a few years the value of this system has again begun to be appreciated, and has been adapted to two-flued boilers by several first-rate engineers, and they are being used with perfect success in the face of no ordinary opposition, proving that real practical experience is not to be overpowered or set aside by the bone of prejudice, or the declamation of parties who consider nothing an improvement except it be their own production, or by some happy chance meets with their approval. My opinion is that the adoption of this system of firing, properly and efficiently applied, will do more to remove the cause of complaints against dense smoke being needlessly made, than any system of smoke burning ever adopted, at the same time lessening expenses and manual labour. I have been encouraged to lay these remarks before you in consequence of the valuable opinion given in court by our very talented townsman, Mr. Marshall, who, as the worthy magistrate remarked truly, was of European celebrity."

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

Sept. 16.—The demand for manufactured iron, especially the smaller sizes, continues moderately good, and the leading works are fairly employed, except the plate-mills, the demand for that class of iron being very quiet. The demand of the workmen for an advance of wages is naturally an important topic in the trade, but the general opinion seems to be, as stated last week, that the advance will not be pressed with winter approaching, and the clear fact, which the men cannot be unaware of, that selling prices are really below the rates on the basis of which the present rate of wages was fixed. There is on the basis of which the present rate of wages was fixed. There is hope that, with the steady recovery of trade recently exhibited, by next spring a rise may be practicable.

It would seem that the effort to obtain an advance of wages is by

It would seem that the effort to obtain an advance of wages is by no means general, and that it applies mainly to the men at a few works where, having contracts, they are fully employed. There does not as yet seem any probability that the price of iron can be raised at the Ironmasters' Meeting, to be held at Birmingham this day fortnight. The greater part of the works in South Staffordshire are now only doing three days' work per week, and secure that by accepting prices considerably below the present list rate. An advance of present prices would, it seems certain, unless the demand should receive an unexpected impulse, lead to the orders going elsewhere, and would almost shut up the works in the district. almost shut up the works in the district.

After twelve weeks idleness, during which 20,000 people have suffered great privations, and been kept alive by charitable contributions, the nailers have returned to work, the masters having made some concession by adopting a list based on the prices of 1864. The result was celebrated at Hales Owen, on Wednesday, by about 1000 persons attending a thanksgiving service at church, when the Ven.

persons attending a thanksgiving service at church, when the ven. Archdeacon Hone preached an appropriate and sympathetic discourse. Mr. William Mathews, of Corbyn's Hall Iron Works, near Dudley, has at length determined, after a most active life connected with the iron trade, to retire from business. Mr. Mathews has for many years in the accompany position, both in connection with the iron trade occupied an eminent position, both in connection with the iron trade and also with all political and general questions in South Stafford-shire. It was only from his desire to avoid a contest in the ranks of shire. It was only from his desire to avoid a contest in the ranks of the Liberal party that some years ago, after being adopted by the Ironmasters' Association as a candidate for the representation of South Staffordshire in Parliament, he withdrew, and deprived the House of Commons of a member who on all questions of trade, at least, and probably on others, would have taken a prominent position. Mr. Mathews was, it may be remembered, a member of the Royal Commission on Trades Unions. He was for some years Chairman of the Mining Association of Great Britain. He was a man of vigorous intellect, and his mind, like his voice, was strong, clear, and earnest. He is a speaker to whom when he opens his mouth every ear is at once lent, and few men surpass him in clearness of appreear is at once lent, and few men surpass him in clearness of appre-hension or of vigorous expression. His tall form and striking coun-tenance will, it is to be hoped, not yet be always missed from the assemblies of the ironmasters of South Staffordshire, though he ceases

tenance will, it is to be hoped, not yet be always missed from the assemblies of the ironmasters of South Staffordshire, though he ceases to direct practical operations in the trade.

An explosion occurred at the Glebe Colliery, Fenton, belonging to the Messrs, Challinor, resulting in five men being burned, one of whom, named Pickering, was seriously injured. Five men were at work in the pit, when a portion of the roofing gave way and fell. The men were not injured by the fail of the roof, and hastened from the place as quickly as possible. The dislodgement had the effect of forcing out some foul air, which gathered round a lighted safety-lamp which the men had left in the workings in their haste to get out of danger. When they saw they had left the lamp they became apprehensive of an explosion, and one of their number, Pickering, went to feeth the lamp, and in the excitement took a naked caudle with him. A severe explosion took place, and Pickering was seriously burnt, the other four men also being more or less injured. Mr. Wynne, Government Inspector of Mines, on Monday examined the pit where the explosion occurred, and reports that if the ventilation of the pit had been good the foul air carried about by the dislodgment would have been cleared away, and an explosion would have been avoided.

An inquest was held at the Grand Jury Room, Wolverhampton, on Monday, on the bodies of John Boulter, 34, and Henry Parkes, 21, who died at the South Staffordshire Hospital in consequence of injuries received on the previous Thursday. Both the deceased were employed at the blast-furnaces of Messrs, Lidyds, Foster, and Co., at Wednesbury. On Thursday they were at their duties at one of the furnaces, Boulter as manager and Parkes as firer; Boulter, after being told it was time, delayed the tapping for 40 minutes, as he had not prepared all the moulds. When about a third of the metal had run out of the furnace at theyer suddenly exploded, and a quantity of the molten metal and red-hot cinders were thrown over the deceased. T

A verdict of "Accidental Death."

At the Tunstall Police Court, William Cooke, chartermaster of the Hammil Collery, Burslem, was flued 20s, and costs for unlawfully neglecting to examine the state of the ventilation of the pit before the men descended to work. The colliery had been closed for a few days on account of the Norton Wakes, and on resuming work, Michael Kelsall, the other chartermaster, entered the workings with a naked light, caused an explosion, and was killed. Mr. Wynne, the Government inspector, explained that in the interval of the pit standing idle a portion of the roof had failen and dislodged some gas.

REPORT FROM MONMOUTH AND SOUTH WALES.

Sept. 16.—The Iron Trade of this district continues in a favourable state, the hands engaged at the rail mills being busily employed in executing contracts for the United States and Russian Empire. Last month the total quantity of iron exported from this district reached 50,177 tons, being an increase of 3978 tons as compared with the previous month, and 12,159 tons over the corresponding month of last year, being satisfactory and conclusive proof that the iron trade is recovering from the depression which prevailed of late, and hopes are entertained of a still further improvement shortly taking place. Large quantities of rails continue to be sent to the United States, Large quantities of rails continue to be sent to the United States, and last month the clearances to that country reached 29,325 tons, being an increase of 6668 tons as compared with the month of July. For a considerable time past a large amount of business has been transacted with American buyers, and there is every prospect of this satisfactory state of affairs continuing for some time to come. Last month the exports to Russia reached 12,602 tons, being an increase of the consequence with the praying month, who the consequences with the praying month, when the consequences with the praying month, when the consequences with the praying month. of 915 tons as compared with the previous month, when the exports reached 11,687 tons. Fears are entertained by some few makers that at the close of the Baltic shipping season a reaction will set in, but it is satisfactory to find that the foreign enquiry for railway iron keeps remarkably good, and it is becoming pretty evident that when present contracts are completed the demand will be sufficient to keep the works well employed. Several home contracts for rails, ranging the works well employed. Several home contracts for rails, ranging from 1000 to 5000 tons, are in the market, and a gradual increase in the home demand is confidently looked forward to, not, perhaps, to be fully realised until next spring. There are still contracts on the books for several thousand tons for Russia and the United States, and it is now pretty generally believed that the whole of the Russian contracts will not be completed this season. Within the last few days exporters are purchasing bars more freely, which, it is hoped, will lead to a revival in this branch of the trade. Pig-iron of the best brands commands a fair sale, and prices are more in makers' favour. There is a falling off in the demand for Tin-Plates during the past week, and the orders expected from some of the foreign markets have not yet come to hand.

The improvement referred to in previous reports as having set in in the Steam Coal Trade is fully corroborated by the returns for the past month, there being an increase in the exports at all the local

past month, there being an increase in the exports at all the local ports. The improvement set in after the month was somewhat advanced, otherwise the returns would have been more favourable.

Large quantities were sent to the mail packet stations, and the pur-

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chases of French houses were considerable. The arrival of vessels at the local ports has been checked by the heavy gales which have prevailed, but this, in all probability, will be of short duration, and it is generally believed that a permanent increase in the demand may now be looked forward to. The House Coal Trade is not characterised by any degree of activity, the shipments coastwise being generally up to the average.

racterised by any degree of activity, the shipments coastwise being scarcely up to the average.

The case of the Dunraven Collieries Company (Limited) came before Mr. Edward Bloxham, Chief Clerk, Vice-Chanceltor's Chambers, on Wednesday. This company is being wound-up in Chancery, and it appears that on July 26 a suit was instituted by Mr. Edward Mackenzlo against the company. Mr. Withers now applied for leave to defend the suit. It was a foreclosure suit by a first mortgages, and there were several other partices claiming. There were two mortgages, one for 25,000£; and there were also three further claims on the unpaid purchase-money. There had been certain irregularities in the company, which would have to be gone into; and it was absolutely necessary that the provisional official liquidator should be heard in the matter. The Chief Clerk granted leave, and order was made accordingly.

At the Monmouthshire Railway and Canal Company half-yearly meeting, the directors recommended a dividend at the rate of 4 per cent. but Mr. Cartwright considered the income of the company sufficient to pay 4½ per cent., and a dilvision took place on the subject, 19 being in favour of 4½, and 21 in favour of 4 per cent. Mr. Cartwright demanded a poll, the result of which is that 4½ per cent. is declared by a majority of 30 shares.

THE MANCHESTER GEOLOGICAL MUSEUM—TECHNICAL EDUCATION OF MINERS.—The transfer of the geological and mineralogical specimens, at present in the Peter-street Museum, from the Geological and Natural History Societies to Owen's College has been agreed to, but whether the several parties to the arrangement should be congratulated or otherwise will depend entirely upon the way in which it is carried out. That the collection will be of considerable value to Owen's College is beyond question, and if the executive of that institution offer such facilities as they are able to the societies making the transfer there will be no reason for regret: but if, on the to Owen's College is beyond question, and if the executive of that institution offer such facilities as they are able to the societies making the transfer there will be no reason for regret; but if, on the other hand, Owen's College seeks to appropriate all the benefit to itself, by acting more closely to the letter than to the spirit of the agreement, general dissatisfaction will result. In moving the necessary resolution to empower the President to execute, on behalf of the Gelogical Society, the draft of the trust, Mr. Ornsrod said, at the meeting on Tuesday, that it was well known that the Natural History Society were ready to agree with them in any scheme which might have for its object the permanent retention of their joint collection in Manchester. The matter had been discussed a good deal in that society, but no person had been able to bring forward a better plan than the proposal to hand over their specimens to Owen's College, where they would be taken care of, under the superintendence of a properly qualified curator. He could find no other preferable course. The price of building and other expenses were so much that it was utterly hopeless that that society could ever maintain the collection. Some said that funds might be found, but no one had ever come forward to give them.

Mr. Dickinson remarked that they had had some difficulty in keeping the museum open to the public. It had been so closely guarded that the public scarcely knew they had access to it. If they sent tt off for a distance of two miles, where scarcely one of the public would think of wandering in scarch of it, and where, perhaps, it would be more jealously guarded, with closed doors and bells, than it had been where it was, it would be of less use than ever. He thought the collection might at least have been kept under their own control for some time. They had funds, and they had a few members, if not all, who would contribute for such a purpose; at all events, until such time as there was not only the society, but the coal trade of

PRICES OF MATERIALS,

As charged at the GREAT WHEAL	VOR MINES during	the following m	onths:-
Description.	April.	May.	June.
Coals-commonper ton	12s. 0d	128, 0d	. 128. 0d.
	s8d&18s4d 16	88d&1884d 168	8d&18s4d
Iron-bestper cwt.	10 0		
Steel-cast and blister	35 0		
Nails-5 and 6 in. patent.	17 0		
Tallow	50 0		
Grease		9 6	
Oil—oliveper gal.	5 3		
Candlesper doz.		5 6	
Hilts		1 6	
Powderper 100 lbs.	33 0		
Leather-bendper lb.	2 4	2 4	
,, -butt	2 0	1 10	
White yarn,	0 51/2	0 51/2	
Hemp	0 514	0 51/4	. 0 51/4
Timber-Norwayper 50 ft.	34 10	34 10	. 34 10
,, -pineper foot	1 5	1 5	. 1 5
., -oak		3 0	
-Baltie	1 2		ls & 1s2d.
birch and elm , 2	s2d&2s3d		. 2 2
,, -batterns ,,	0 11/4	0 11/4	
-Dantzic	2 0		
Ropeper cwt.	44 0		
Stamp heads-Longshanks	8 0	8 0	
		34 0	
Safety-fuseper coll		0 6	
and the territory and the territory			0 0

CORNISH MINE SHARE MARKET.—Although there is still existing considerable evidence of the favourable influence which the recent rise in the Tin Standard exercised on the market value of the majority of tin-producing mines, the general tendency of the quotations in the Cornish Mine Share Market has, since the the making of the announcement of the probable quantity of metal to be offered at the forthcoming Dutch sale on Oct. 1, somewhat participated in the slight reaction observable within the last two or three days in Straits tin. Consequently there is now much less difficulty experenced by the dealers in executing orders to buy at quoted rates than at the time our last report was written, and in many cases prices have receded to to about midway between the figure previous to the last rise in tin and the highest rate subsequently attained. Still, transactions have been tolerably numerous, and the very sensitiveness of the market shows a pleasing and encouraging contrast to the then seemingly hopeless inanimate condition of mine shares about this time last year.

At the meeting of Camborne Vean adventurers, convened for Thursday, notice is given that "the lessees of the mine are unwilling to continue their responsibility any longer without a guarantee from the shareholders; and should take meeting decide on continuing the mine, it will be required that a guarantee begiven accordingly," that is, if anyone can be found to agree to such a guarantee. We are glad to hear that Capt. William Teague, of Tincroft, has purchased for himself and friends Prosper United materials, engines, machinery, &c. for the sum of 70521, no doubt for the nursoes of continuing the workings the workings the workings the working the working the more in the sum of 70521.

We are glad to hear that Capt. William Teague, of Tincroft, has purchased for himself and friends Prosper United materials, engines, machinery, &c., for the sum of 70751, no doubt for the purpose of continuing the workings, we hope with success. The Marazion district some years since returned enormous profits to the adventurers. Nothing would give us greater pleasure than to know that good dividends were again paid from that locality.

From Dolcoath, with a sett comprising about 300 acres, profits amounting to more than 1,100,000t. have been obtained from a space not exceeding 60 acres. The capital consists of 1432 shares, upon each of which 32t, had every two months, which is equal to a rate of nearly 15 per cent. per annum. At South Wheal Frances the new tin lode is large and strong, highly mineralised, and producing tinstone in quantity and quality of a satisfactory character. The agent recommends the pumping-engine at Grills' to be converted into a powerful stamps, which may be done at no great cost. This would enable them to efficiently discharge and dress the tinstuff. The committee state that the old copper lodes becoming gradually exhausted without any material discoveries of new ores, they will have to turn their attention to tin, and the question for consideration will be how to take advantage of the ground. To prepare for an increase of tinstuff would involve an outlay of some considerable amount, and the lords are to be applied to to forego all dues on tin. A soon as a reply is received from the three lords a special meeting of the adventurers will be called. The disintegrating machine has proved a failure, and the machine will, therefore, have to be returned to the patentee, in accordance with the agreement. The trial, however, will not result in any very serious loss to the adventurers. West Briton.

ANOTHER CURE OF DISEASE OF THE LUNGS OF 10 YEARS' STAND-ANOTHER CURE OF DISEASE OF THE LUNGS OF 10 YEARS STAND-ING BY DR. LOCCOC'S PULMONIC WAFFER.—From Mr. D. Verrent, Coast Guard Mountcharles, Donegal:—"I am happy to say that they are all they are repre-sented to be. I have a child who was affected in the lungs (for 10 years), and they are the only things that have done him any good. I have tried all other means in vain."—They give instant relief to asthma, consumption, coughs, colds, and all disorders of the breath and lungs, and have a pleasant taste Price 1s. 1/4d. per box. Sold by all Medicine Vendors.

IN THE MATTER OF THE SWANSEA ZINC COMPANY (LIMITED),

SWANSEA, GLAMORGANSHIRE.

MESSRS, EDWIN WATTON AND CO. are instructed to SELIL, BY AUCTION, by order of the Official Liquidator, John Sutcliffer Hurndall, Esq., and with the approbation of the Master of the Rolls, and to e meent of the Morigagees, at the Mackworth Arms Hotel, Swansea, on Thurday, Spitember 23, 1869, at Five for Six o'clock P.M. precisely, subject to such co-filtions of sale as shall then be produced, all the VALUBLE LEASE-HOLD SPELTER WORKS, called

"THE CROWN SPELTER WORKS,"

Litely belonging to and carried on by "The Swansea Zine Company (Limited)," situate upon the Burrows, in the parish of LLANSAMLET, near SWANSEA, together with the LAND adjoining and belonging, containing about TWELVE ACRES, more or less.

together with the LAND adjoining and belonging, containing about TWELVE ACRES, more or less.

All the TRADE FIXTURES and FIXED and MOVEABLE PLANT, and other EFFECTS, being is, upon, or affixed to the same works, will be sold to the purchaser of the works at a valuation in the usual way, and inventories of the same will be produced at the time of sale.

The SPELTER WORKS and LAND will be offered in One Lot, as follows—All those newly-creeted SPELTER WORKS, called "THE CROWN SPELTER WORKS," situate on the Burrows, between the Vale of Neath Railway and the sea, in the parish of LLANSAMLET, near SWANSEA, in the county of GLAMORGAN; together with the gatekeeper's lodge, clay and calamine mills, warehouses, offices, laboratory and store-rooms, belonging thereto, and a piece or parcel of land thereto adjoining, and containing 12 A., more or less.

The above works and land will be sold for the residue of a torm of 69 years, cammencing from the 25th of December, 1865, granted therein by an indenture of lease, subject to the payment of the yearly rent of £300 therein reserved, and to the observance and performance of the other covenants and conditions therefore the same lease can be seen at the offices of Messrs, G. B. and H.

of lease, subject to the payment of the yearly rent of £300 therein reserved, and to the observance and performance of the other covenants and conditions therein contained.

Copies of the same lease can be seen at the offices of Messrs. G. B. and H. MURLY, Old Post-office Chambers, Bristol; or at the offices of Messrs. VALLANCE and VALLANCE, 20, Essex-street, Strand, London.

The properties will be sold with all rights of way, and other rights and casements belonging or appertaining thereto, and subject to all rights of way, and all other rights and easements to which the same are now subject or liable, or which in any way affect the same, or any part thereof.

The inventories of the trade fixtures, fixed and finovable plant, to be produced at the time of sale, may be seen at the offices of Messrs. G. B. and H. MURLY, or Messrs. VALLANCE and VALLANCE. The aggregate value of the effects comprised in the same inventories is about £1300.

The above works are in full working order and condition, producing about \$5 tons of spelter per week, and will be sold as a going concern.

The premises may be viewed by cards only, which will, on application, be furnished by the proprietor of the Mackworth Arms, or by the auctioneers, or solicitors to the vendors.

For further particulars, apply to Messrs. W. and A. F. MORGAN, Solicitors, Waterloo-street, Birmingham; Messrs. VALLANCE and VALLANCE, Solicitors, Bristol; and the Official Liquidator, J. S. HURDALL, Eq., Shannon-court, Bristol; or to the Auctioneers, Taunton, and Shannon-court, Bristol.

VALUABLE FREEHOLD PROPERTY,

COAL AND IRONSTONE MINES, PLANT AND MACHINERY, AT IPSTONES, STAFFORDSHIRE.

MR. HARROP WILL SELL, BY AUCTION, at the Crewe Arms Hotel, Crewe, on Thursday, the 23d day of September, 1869, at Three for Four o'clock in the afternoon punctually, in the following or such other lots and in such order as may be determined upon by the agents of the vendors at the time of sale, and subject to such conditions as will be then produced. LOT 1.

A compact FREEHOLD ESTATE, situated at IPSTONES, in the county of STAFFORD, called "THE NEW HOUSE FARM," in the occupation of Mr. JAMES WORTHINGTON, and containing in statute measure 27A, 2R, 21P., of these about

JAMES WORTHINGTON, and containing in statute measure 27A. 2R. 21P., or thereabouts.

This estate is in a ring fence, the land is of good quality, and the farmhouse and outbuildings are well and substantially built; it abuts on the turnpiker or all lands of the property of the state is in a ring fence, the land is about a mile from the canal and railway stations at Froghall, in North Staffordshire. It contains SEAMS of COAL and IRONSTONE, the former of which has been proved by sinking to be at a depth of about 90 yards, and to be from 2 to 3 ft. thick, and the latter by boring to be at a depth of about 175 yards, and to be from 18 to 25 int. hick, and by analysis by Prof. Tuson and Mr. Samuelson it is shown to be of the same quality as the best of the Froghall Red Hydrate, so well known and appreciated in the market.

These mines were recently in lease to the New House Mining Company (Limited), who are stated to have expended a large sum of money in sinking shafts of the depths respectively of 95 yards and 140 yards, driving levels and crutts, and other operations for opening them. The company is being wound-up, owing to inadequacy of capital, and the mines have become forfeited to the vendors, and are, with the shafts, comprised in this lot.

The PLANT and MACHINERY at the works on the above estate, consisting of ONE 45-horse power ENGINE, with TWO BOILERS, each 36 ft. long by 6 ft. diameter; ONE PLUNGER LIFT, 95 yds. 14 in. diameter, 5 ft. 2 in. stroke; ONE PLUNGER LIFT, 95 yds. 13 in. diameter, 5 ft. 7½ in. stroke; ONE PLUNGER LIFT, 39 yds. 13 in. diameter, 5 ft. 7½ in. stroke; ONE 13 in. BUCKET LIFT, 39 yds. 5 ft. 2 in. stroke; one ditto, not quite complete; with T-bobs, pumping crank and wheels, and all connecting machinery thereto, with wrought-tron drum shafts and wheels, and 11-ft. winding drums; large capstan and rope crabs, pit frames, &c.

N.B.—The purchaser of Lot 1 will have the option of taking Lot 2 at a price to be amounced at the sale, such option to be declared on the fall of the hammer for Lot 1. LOT 2.

to be announced at the saie, such option to be declared and after the 4th day of mer for Lot 1. Detailed particulars, with plans, are being prepared, and after the 4th day of September, 1869, may be obtained at the place of saie, and, with any further information, on application to the Auctioneer, Frodsham; Mr. WILLIAM RIGBY, Mining Surveyor, Green Bank, Lawton; or—
Mr. JOHN ASHTON, Solicitor, Frodsham.

TO MILL OWNERS, COLLIERY PROPRIETORS, SHIPPERS, USERS OF STEAM POWER, ENGINEERS, BROKERS, AND OTHERS.
SALE OF VALUABLE HIGH-CLASS STEAM ENGINES,

HORIZONTAL AND VERTICAL. MESSRS. REEVES AND MIRLS beg to announce that they have received instructions to SELL, BY AUCTION, on Tuesday, the 28th day of September, 1869, at Two for Three o'clock, on the premises of the Salford Brewery, Worsley-street, Salford,
A VALUABLE STOCK OF NEW STEAM ENGINES,

A VALUABLE STOCK OF NEW STEAM ENGINES,
Horizontal, and one vertical, varying from 8 to 50-horse power.
The Auctioneers can with confidence recommend these engines to users of steam power, being of the best materials and highest class of workmanship, and every engine will be guaranteed.
Further particulars in catalogues, which will be ready on the 13th, and may be had from the Auctioneers, Exchange-chambers, Bank-street, Manchester.

TO BE SOLD, BY PUBLIC ROUP, within the Faculty Hall, St. George's Place, Glasgow, on Wednesday, the 22d September, at One o'clock in the afternoon (unless previously disposed of by private bargain), the WHOLE of the VALUABLE PLANT and MACHINERY of the PRINCE ARTHUR CONSOLIDATED MINING COMPANY

Limited), along with the unexpired portion of the Leases.

The mines are situated in the parish of St. Mary Tavy, near Tavistock.

There are still about 15 years of the leases to run, and the machinery is in

There are still about 19 years of the leases of the leases. If the working order.

There will ALSO BE SOLD the AGENT'S HOUSE, situated on the lands of Blackdown, as at present in the possession of the company.

The whole will be exposed in one lot, at the low upset price of £1250. Captain GEORGE, at the mine, will point out the property.

Further information will be given by applying to John E. WATSON, Accountant, 33, Renfield-street, Glasgow, liquidator of the company; or to MCCLURE, NAISMITH, and BRODIE, Writers, 87, St. Vincent-street, there, the latter of whom will exhibit the Title Deeds and Articles of Sale.

TO BE SOLD, BY PRIVATE CONTRACT (either as an entirety or in separate lots), the VALUABLE ESTATE, called LATCHLEY,

VALUABLE ESTATE, called LATCHLEY,
With certain FIELDS at CHILSWORTHY, in the parish of CALSTOCK, in the
County of CORNWALL, and containing a lategether about ONE HUNDRED AND
THIRTY TWO ACRES OF HIGHLY PRODUCTIVE ARABLE, ORCHARD AND
PASTURE LAND, and now in the occupation of Mr. John Oliver and others.
Part of the estate is freehold and part copybold (held of the Manor of Calstock).
The innerals in the freehold por ion will pass to the purchaser.
The estate well deserves the attention of the mining capitalist, as considerable returns of rich copper ore were made some years since from the mine known
as "Wheal Williams," and as the property is only separated by the river Tamar
from "Wheal Fortescue" (a mine which is now attracting much notice), there
can be little doubt that valuable mineral lodes will be found to traverse parts
of the Latchley estate.

The property may be viewed on application to Mr. John Oliver, at Latchley
Farm-house; and a map and printed particulars, and all further information
can be obtained by reference to Messrs. May and Murch, Anctioneers. Unionstreet, Plymouth; or Mr. Sargens, solicitor, Liskeard; or Messrs. Bewes and
BOGER, solicitors, Manor-office, Stonehouse.

Dated September 13, 1869.

LEAD MINE.

LEAD MINE.

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40 in. cylinder PUMPING ENGINE.

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60 fms. 11 and 12 in. PUMPS in shaft.

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BETTWS-Y-COED, NORTH WALES TO BE SOLD, BY TENDER, the INTEREST of the proprietors now working the said Mine, which is situate within one mile of the Bettway-Coed Station. The Mine has been worked about a year and a balf, and a considerable quantity of ore has been raised and sold, at a highly remunerative

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Intending purchasers will be supplied with particulars by Mr. F. J. COLLING700D, Rhyl, to whom tenders may be delivered on or before Sept. 18 next.
The Agent at the Mine will also give any information.
The proprietors do not bind themselves to accept the highest or any tender.
Rhyl, August 30, 1869.

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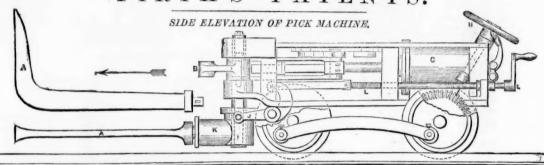
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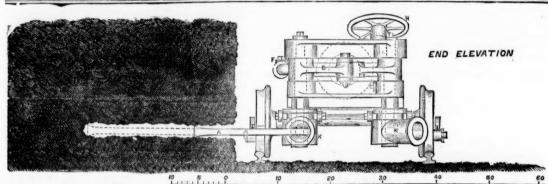
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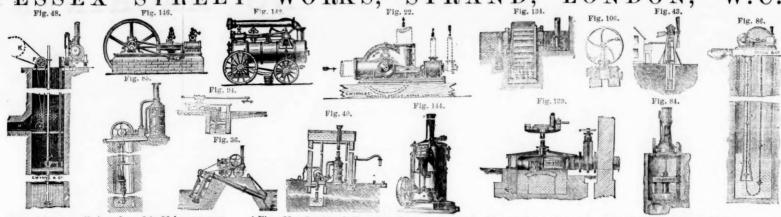


Fig. 144.—Vertical Engine, all sizes, from 2 to 20-horse power. Fig. 146.—Horizontal Engine, from 4 to 100-horse power. Fig. 142.—Portable Engine, from 2½ to 30-horse power. Fig. 40.—Gwynne and Co.'s Combined Stationary Pumping Engine. Fig. 139.—Turbine Water-wheel, from 1 to 300-horse power.

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Fig. 85.—Deep Well Pumping Engine, all sizes, obtained Prize Fig. 86.—Chain Pump Pumping Engine.

Fig. 134.—Water-wheel Pumping Machinery.

Fig. 36.—Gwynne and Co.'s Patent Syphon Drainage Machinery.

Fig. 95.—Horse-power Pumping Machinery.

Fig. 43.—Wind Power Pumping Machinery.

Fig. 43.—Wind Power Pumping Machinery. Steam Engines of all kinds and sizes, Hand and Steam Fire Engines, Water Wheels, Hydraulic L!fts, Cranes and Jacks, Steam and Water Valves, Hydraulic

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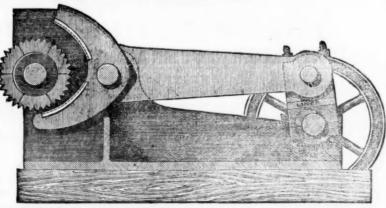
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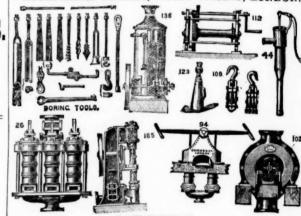


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	District				D II			-	-					
har	cs. Mines.	I	Pair	d. I	iast F	r.	Business	. 7	Cota	l di	vs. I	Per s	share. Last	traid
1500	Alderley Edge, c, Cheshire	. 10	0 0	0 0			•		. 10	0 6	6 8	. 0	5 0. Jan.	. 1869
200	Botallack, t. c, St. Just	91		5 0	260	••			554	5	5 0	10	0 0 Aug	z. 1866
12000	Bronfloyd, I, Cardigan*	. !	. 0	0	. 4			••			6	. 0	1 0July	y 1869
0400	Bwich Consols, s-l, Cardigan	. 4	10	0		••		••			0		5 0June	
916	Cashwell, l, Cumberland Cargoll, s-l, Newlyn	15	5 5	0	15	••		••			6		3 6 Aug.	. 1869
1980	Cargoll, 8-1, Newlyh	0					14 15	••		10	0	0 1	10 0 Aug.	. 1869
1280	Chanticleer, t, Fillit			9	15	• •	101/ 14	••	0	10	0	0	0 6. Nov.	
500	Cook's Kitchen, c, Illogan; Creeghrawse and Penkevil, t		1.0	9	10	••		••	2	12	0	0	7 6. July	
867	Cwm Erfin. l. Cardiganshire*	7	10	0	_	••		••		19	0	0 1	5 0Apri	1986
128	Cwmystwith, I, Cardiganshire	60	0	0	-	::		**			0		0 0July	7 1869 7 1869
280	Derwent Mines, s-1, Durham			0		::			177		0		10 0July	
1024	Devon Gt. Consols, c, Tavistockt	1	0	0	170	::			1132	0	0	4	0 0May	
656	Ding Dong, t, Gulval‡	49	14	6	23		22 23		8		0		10 0Sept	
1432	Dolcoath, c, t, Camborne	32	4	6	130		125 130		00#		6		0 0Aug.	
12800	Drake Walls, t, Calstock!		10	0	1		7/8 1				0		1 0July	
6144	East Caradon, c, St. Cleert	2	14	6	51/4				14	11	6	0	2 0 July	1867
300	East Darren, l, Cardiganshire	32			-			••	170	10	0	2	0 0July	7 1869
6400	East Pool, t, c, Pool, Illogan	0			71/6	6	7 714		9	6	3	0	3 3July	7 1869
1906	East Wheal Lovell, t, Wendron		9	0	20		20 21	••	4		0		5 0 May	
2800	Foxdale, I, Isle of Man*	25	0	0	97			••	73				10 0 July	
2000	Frank Mills. 1, Christow			6		8	3% 3%		3		6		4 0 Aug.	
15000	Gawton, c, Tavistock	3		6	10			••	0	3	0	0	3 0 Jan.	. 1868
2000	Great Laxey, I, Isle of Man*	4	0	0	19			••	10	15	0	0 1	10 0June	8 1869
	Great Wheat Vor. t.c. Helstont	40		0		••		**	14	71		5 P	o.ctFeb.	1860
1024	Great Wheal Vor. t. c, Helstont	8						••	40	10	0	0 1	10 0June	1969
12000		î				6		••	49	10	0	0	10 0Feb. 1 0May	. 1869 7 1869
	Levant, c, t, St. Just	10			-/-	8	4% 4%	**	1101	0	0	9	0 0Aug.	
400	Lisburge, I. Cardiganshire	18							525	0	0	2	0 0. July	1869
	Macs-y-Safn, I, Flint	90	11	0	_			::			0		5 0Oct.	
9000	Marke Valley, c. Caradon		10	6	81/	4			5		0	0	5 0. July	1869
3000	Minera Boundary, I. Wrexham	1	0	0	-			**				0	3 0 Mar.	1866
1800	Minera Boundary, I, Wrexham . Minera Mining Co.I, Wrexham .	25	0	0	-				258	18		5 (0 0 Aug.	. 1869
20000	Mining Co. of Ireland, c, l, cl	7	0	0	91/4		10 1017			-		6 p.	ctJuly	1869
40000	Mwyndy Iron Ore**	3	7	0	1			••	0	11	6	0 :	3 0. Feb.	1869
2000	North Levant. t. c. St. Just	10	12	0	-	••			0	15	0	0 10	0 0 Aug.	. 1869
200	Parvs Mines, c. Anglesey*	50	0	0	-			••	162	10	0	2 10	0 0Aug. 4 07.July	. 1868
5000	Penhalls, t, St. Agnes	3			11/	. **	*** ***	••	0	10	6	0 4		
12800	Prince of Wales, c, Calstock		12	6	134			••	0	9	6	0 1	1 0 Aug.	1869
11a0	Providence, t, Uny Lelantt	10	6	7	43	**	89 41	••	88		6		0 0. Mar.	
6000	South Caradon, c, St. Cleert South Darren, l, Cardigan*	3	6	6	2				622	17	0	0	0 0July 1 6May	
037	South Wh. Crofty, c, Illogan			10				**	2	0	6	0 1	1 6May	1869
496	Bo. Wh. Frances, c, Illog. tt			9	9.4			**		13	6	1 7	0 0Mar.	
242	Spearne Moor, t, St. Just			9	20		10 00				0	1 7	0 0June	1869
940	St. Ives Consols, t. St. Ives!			0	00		24 20	**	0	10	0	0 10	0 0. May	1869
804	Summer Hill, I, Mold			6	-			**	2	5	6	0 4	5 0 Feb.	1808
6000	Tineroft, c, t, Pool, Illogant	9	0	0	17		161/2 171/2	**		11	0	0 10	0 0 Sept.	1869
20 00	Trumpet Cons., t, Helston		10	0	28		22 23		9	8	0	0 14	4 0 Aug.	1869
12000	Van, l, Llanidloes*	4	5	0	36		35 37		0	5	0	0 5	5 0June	1869
8000	W. Chiverton, l. Perranzabuloet	10	0	0	84.63		52 54		37	7	6	2 0	0. 0 Aug.	1869
5000	West Godolphin, t, c, Breage	0	1	0	-	••	34 1		0	3	0	0 1	1 0July	1869
2582	West Great Work, t, Breage	5	11	0	4		31/2 4		0	9	0 4	0 9	o a June	1869
512	West Wheal Frances, t, Illogan	106	15	0	521/2		49 51		3	0	0	1 10	0 0July	1869
400	W. Wheal Seton, c. Cambornet.	47	0	0	100	••	180 190	!	638	0	0	9 U	0 0 Mug.	1869
512	Wheal Basset, c, Illogant	5	2	6		••	50 55	!	632	10	0	1 0		1868
1024	Wheal Friendship, c, Tavistock.	20	0	0		••	44 40	1	300	10	0	0 10	0 0. Nov.	
4905	Wheal Kitty & St. Agues		15	0	*	**		••	26	0	0	1 10	0 0July	1869
1094	Wheal Kitty, t, St. Agnes Wheal Kitty, t, Uny Lelant.	5		6		**	7 0	••	10	10		0 5	5 0May 0 0July	1869
1024	Wheat Kitty, t, thy Lelantt	13	10	6	- 4	**	10 14	••	76	15				
896 1024	wheat Margaret, t, Uny Lelant;	13	17	6		::	10 17	• •	69	10	0	0 17	0 0Aug. 5 0Sept.	
	Wheal Mary Ann, l, Menheniott Wh. Mary Hutchins, Plymp., t	9	19	6		::		••		10	0	0 1	5 0Aug.	3000
	Wheal Owles, t, St. Just:	70	0	0				** 4	494	13	0.1	9 10	0 0Aug.	1869
396	Wheal Seton, t, c, Camborne		10	0		•••		** 9	954	1.6	0	0 1	0 0. Feb.	1869
3000	Whitewell Lead, Clitheroe	0	5	0		::		:: 3	1	0	0	0 10	o o. Dec.	1867
	Wicklow, c, i, Wicklow		10	0	91/2		7			6	0 /	0 5	0Mar.	1869
											/**	-		
	MODELAN	T /	T .	(37 T	DE	NT Y	MIN	F 107						

FOREIGN DIVIDEND MINES.

ı	35000	Alamillos, I, Spain*t	2 0	0	134 1 11/6		0 8 6 0 2 0 Aug. 186	9
ı		Australian,c, South Australia 11	7 7				0 1 6 0 0 6 Aug. 186	
١		Cape Copper Mining*†	7 0	0			8 17 6 0 15 0 Nov. 186	
ı		Central American Association*†	0 10				0 6 0 0 1 0July 186	
ı		Coplano Mining Co., Chiliti	16 10		11/2 21/4		0 4 0 0 4 0 April 186	
ı		Don Pedro North del Rey ** 1	0 14		414 41/8 43/8		1 6 9., 0 3 6Aug. 186	
ı		English and Australian, ct	2 10				0 0 9Feb. 186	
ı		Fortuna, I, Spain*†		0	214 2 21/2	••	1 17 10. 0 3 0 Aug. 186	
ı		Gen, Mining Assoc., Nova Scotiat	20 0	0	-/4/2	••	23 10 0 0 15 0June 186	
١		Gonnesa, I, Sardinia*	5 0	0		••	10 per cent Aug. 186	
		Kapunda Mining Co., Austratt	1 0	0	14 1/4 1/4		0 1 10. 0 0 6. Nov. 186	
1		Liuares, t, Spain*†				**	12 3 4 0 5 0 Aug. 186	
ı				0				
ı		Panulcillo, c, Chili*†		0	11/2 11/4 13/4		10 per cent Yearly.	
ı		Pontgibaud, s-l, Francet		0	12111/2 121/2		5 6 2 0 19 7 Dec. 186	
ı	100000	Port Phillip, g, Clunes*†	1 0	0	15/8 13/8 15/8		1 3 6 0 1 6Jan. 186	9
Г		Scottish Australian Min. Co.t.	1 0	0	% % 1		10 per cent Nov. 186	8
ı		St. John del Rey, Brazil*†	15 0	0	171/2 17 18		81 10 0 4 5 0 Dec. 186	7
ı	4000	Swedish Sulphur Ore*	2 10	0			7% per cent Dec. 186	8
ı	13500	Vancouver Coal Mining*†*	6 0	0	814 734 814		2 14 6 0 12 0 May 186	9
ı	50000	Victoria (London) [25000 £1 pd.	25000	128.	6d. pd.1		0 9 7 0 0 7July 186	8
	40000	West Canada Mining Co		0			0 19 6 0 2 6 May 186	5

NON-DIVIDEND FOREIGN MINES.

Shares.	Minen.	Paid. Lo	st Pr. Bus. don	e. Last Call.
	nglo-Argentine, g, s, Argentine Republic*	1 00	1 1 1%	**
100000 A	nglo-Brazilian, g*†	0 11 0	1/2 1/2 1/8	Nov. 1866
12500 A	ngio-Italian, g*t	0 15 0	/6	Jan. 1868
20000 A	ustralian United, g	1 15 0	21/4 21/4	May 1869
2464 B	urra Burra, c, South Australia!	5 00	- **	***************************************
90000 C	apula, s, Mexico*†	2 00		Jan. 1869
80000 CI	hontales, g, s, Nicaragua*†	5 00	114 5/8 7/8	Mar. 1868
12000 Cc	obre Copper Company, c, Cubatt	45 10 0	/6 /6	Jan. 1868
15000 E	Chico Silver Mining and Reduction Company	5 00		Nov. 1866
	ortune Copper Mining Co. of Western Australia	2 0 0		Fully pd.
	contino and Bolivia, g, New Granada*†	1 17 0		
150000 G	eneral Brazilian*	0 14 0	1 % 1	Feb. 1869
100000 In	nperial Ottoman, s-l, Turkey*	1 00		Fully pd.
50000 Ja	vali, g, Nicaragua	2 00		Jan. 1869
7927 L	usitanian (Portugal)†‡	2 15 0	1/8 1/8	Dec. 1866
83640 M	ariquita, g, s, New Granada	1 00		Feb. 1868
12500 No	erbudda Coal and Iron, India*†	6 10 0		Dec. 1867
51000 N	ew Quebrada, c, Venezuela*†	4 40		**
80000 Pe	estarena United, g, Italy*†	2 17 6		
10178 R	henish Consolidated, [6000£5 pd.,4178£2 10s. pd.]		**	May 1866
100000 R	ossa Grande, g, Brazil*†	0 14 0		June 1867
15000 Sa	n Pedro del Monte, s, Mexico*	1 00		Sept. 1866
10000 Sa	n Roque, I, Spain	5 00		Fully pd.
50000 Sa	o Vicente, Brazil*†	0 60		Oct. 1868
100000 Ta	iquaril, g, Brazil*	0 10 0		Aug. 1869
43174 U	nited Mexican, s, Mexico†‡*	28 5 2		May 1868
20000 V	al Antigoria, g, Italy*	1 26		
6000 Va	al Sassam, s, c, l, Italy*†	8 00		Aug. 1868
45000 VI	ctor Emanuel, c, Italy	1 00		Fully pd.
80000 W	orthing, c, South Australia*	1 00		Fully pd.
75000 Y	orke Peninsula, South Australia	1 00		Fully pd.
45000 Yt	ndanamutana, c, South Australia*†1	3 00	178 134 2	Fully pd.

NON-DIVIDEND MINES.

Shares. Mines.	Paid. Last Pr. Bus. done. Last Call.
4000 Brookwood, c, Buckfastleigh	1 16 0 Sept. 1869
12000 Brynpostig, Montgomery, I	1 00
3000 Carn Brea. c. t. Illogani	80 0 0 14 12 14June 1868
2000 Chiverton, I. Perranzabuloe	11 0 0 33% 8%Nov. 1868
3000 Chiverton Moor, I. Perranzabuloe	7 11 0 3% 3% 4 Feb. 1869
1375 Clifford Amalgamated, c, Gwennap;	150 0 0 12 11 13Oct. 1868
512 East Basset, c, Redrutht	38 00 3 4July 1869
6000 East Carn Brea, c, Redruth!	5 3 6 14 14 July 1869
6000 East Grenville, c, Camborne	
6144 Gonamena, c, St. Cleer	7 17 3 June 1869
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6000 Hingston Down, c, Calstockt	5 15 0 214 194 2 Dec. 1868
400 New Wheal Seton, c, Camborne	
8457 North Downs, c, Redruth	
695 North Roskear, c, Camborne	62 19 0 6 51/2 6 Aug. 1869
5936 North Treskerby, c, St. Agnes	
12000 Ohio Crown Lead, Isle of Man	
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. Companies marked thus * have been incorporated with Limited Liability; those marked † have been admitted on the Stock Exchange, those marked thus ‡ have paid D ividends.

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